

## **TITLE 675 FIRE PREVENTION AND BUILDING SAFETY COMMISSION**

### **ARTICLE 1. ADMINISTRATION**

#### **Rule 1. Indiana Administrative Rules (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Apr 11, 1985, 12:11 pm: 8 IR 1010)*

#### **Rule 2. Approval of Local Building Rules and Regulations (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Apr 11, 1985, 12:11 pm: 8 IR 1010)*

#### **Rule 3. Fee Schedules (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Jan 29, 1986, 3:00 pm: 9 IR 1364, eff Mar 1, 1986)*

### **ARTICLE 2. CONSTRUCTION RULES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

### **ARTICLE 3. ONE AND TWO FAMILY DWELLING CODES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Sep 19, 1985, 9:29 am: 9 IR 284)*

### **ARTICLE 4. INDUSTRIALIZED BUILDING SYSTEMS (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Mar 25, 1986, 1:44 pm: 9 IR 2025, eff Jun 15, 1986)*

### **ARTICLE 5. PLUMBING RULES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Mar 6, 1986, 3:00 pm: 9 IR 1657, eff May 1, 1986)*

### **ARTICLE 6. ELECTRICAL RULES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Apr 9, 1985, 2:42 pm: 8 IR 1012)*

### **ARTICLE 7. MECHANICAL RULES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Feb 26, 1986, 4:35 pm: 9 IR 1609, eff May 1, 1986)*

### **ARTICLE 8. ENERGY CONSERVATION CODES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 31, 1984, 9:46 am: 7 IR 2543, eff Oct 1, 1984) NOTE: Transferred from the administrative building council of Indiana (660 IAC 4) to the fire prevention and building safety commission (675 IAC 8) by P.L.8-1984, SECTION 130. Effective July 1, 1984.*

### **ARTICLE 9. SWIMMING POOL CODES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Jan 8, 1986, 12:04 pm: 9 IR 1028, eff Mar 1, 1986; errata, 9 IR 1379)*

### **ARTICLE 10. ELEVATOR SAFETY CODES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 30, 1985, 11:52 am: 9 IR 48, eff Oct 1, 1985)*

### **ARTICLE 11. FIRE PREVENTION RULES**

#### **Rule 1. Fire Standards for Health Facilities (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

#### **Rule 2. Fire Standards for Pre-school Education Centers and Day Care Centers (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 3. Fire Standards for Schools (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 4. Fire Standards for Hospitals (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 5. Fire Standards for Hotels (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 6. Wiring Systems in Farm Buildings (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 7. Installation and Operation of Dry Cleaning Equipment (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 8. Standards for Equipment Containing or Transporting Liquefied Petroleum Gas (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 9. Provisions Governing Permit for Supervised Public Fireworks Displays (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed May 30, 1986, 2:00 pm: 9 IR 2774, eff Jul 1, 1986)*

**Rule 10. Compendium of Life Safety Requirements for Family Homes and Alternate Residences (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed May 30, 1986, 2:00 pm: 9 IR 2774, eff Jul 1, 1986)*

**ARTICLE 11.1. FIRE PROTECTION IN PUBLIC BUILDINGS**

**Rule 1. Administration (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Apr 11, 1985, 12:11 pm: 8 IR 1010)*

**Rule 2. Alarm Systems**

**675 IAC 11.1-2-1 Area separation walls; visual signals to alert handicapped persons (Repealed)**

*Sec. 1. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**675 IAC 11.1-2-2 Assembly buildings (Repealed)**

*Sec. 2. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**675 IAC 11.1-2-3 Educational buildings and day care centers (Repealed)**

Sec. 3. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-4 Hospitals, health facilities, and residential care facilities (Repealed)**

Sec. 4. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-5 Hotels (Repealed)**

Sec. 5. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-6 Apartment buildings (Repealed)**

Sec. 6. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-7 Dormitories (Repealed)**

Sec. 7. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-8 Mercantile occupancies (Repealed)**

Sec. 8. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-9 Office occupancies (Repealed)**

Sec. 9. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-10 Industrial occupancies (Repealed)**

Sec. 10. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-11 National fire protection standards adopted by reference (Repealed)**

Sec. 11. (Repealed by Fire Prevention and Building Safety Commission; filed May 17, 1985, 2:13 pm: 8 IR 1303)

**675 IAC 11.1-2-12 Smoke detectors; number of alarms; annunciator panels; design and installation standards (Repealed)**

Sec. 12. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

**675 IAC 11.1-2-13 Approval and inspection by state fire marshal (Repealed)**

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 3. Stairs, Exits, and Occupant Loads (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 4. Fire Extinguishing Systems (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 5. Motion Picture Projection Rooms (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 6. Fire Resistive Standards for Interior Wall and Ceiling Finish (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

**Rule 7. Adoption of National Fire Protection Standards (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed May 17, 1985, 2:13 pm: 8 IR 1303)*

**Rule 8. Fire Safety Emergency Signs in Certain Structures (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed May 30, 1986, 2:00 pm: 9 IR 2774, eff Jul 1, 1986)*

**ARTICLE 11.2. FIRE ESCAPES (REPEALED)**

*(Repealed by Fire Prevention and Building Safety Commission; filed May 30, 1986, 2:00 pm: 9 IR 2774, eff Jul 1, 1986)*

**ARTICLE 11.3. FLAMMABLE LIQUIDS CODE**

**Rule 1. Storage, Handling, Use; General Provisions**

**675 IAC 11.3-1-1 Applicability and scope of regulations (Repealed)**

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**675 IAC 11.3-1-2 Retroactive application of regulations (Repealed)**

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**675 IAC 11.3-1-3 Approval of installation plans (Repealed)**

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Oct 16, 1985, 8:55 am: 9 IR 515)*

**Rule 2. General Application (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 3. Tank Storage (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 4. Piping, Valves, Fittings (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 5. Container and Portable Tank Storage (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 6. Industrial Plants (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 7. Bulk Plants (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 8. Service Stations (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 9. Processing Plants (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 10. Storage of Flammable and Combustible Liquids on Farms and Isolated Construction Projects (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 11. Oil Burners (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 12. Solvent-Chemical Waste Processors (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 13. Transportation and Delivery of Flammable Liquids by Tank Vehicles (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

**Rule 14. Refineries (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 15. Abandonment or Removal of Underground Tanks (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 16. Underground Leakage of Flammable and Combustible Liquids (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 17. Notice to Violators (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 18. Emergency Relief Venting for Fire Exposure for Aboveground Tanks—Appendix A (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 19. Protection of Tanks Containing Flammable or Combustible Liquids in Locations that may be**

**Flooded—Appendix B (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 20. Abandonment or Removal of Underground Tanks—Appendix C (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 21. Underground Leakage of Flammable and Combustible Liquids—Appendix D (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 22. Automatic Sprinkler Systems—Appendix E (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 23. Fire Tests—Appendix F (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 24. Vehicle Design—Appendix G (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 25. Tank-Vehicle Chassis, Assembly and Appurtenances—Appendix H (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 26. Auxiliary Equipment (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**Rule 27. Operation of Tank Vehicles—Appendix J (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)*

**ARTICLE 12. ADMINISTRATION**

**Rule 1. General Provisions**

**675 IAC 12-1-1 Definitions (Repealed)**

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-2 Legislative authority (Repealed)**

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-3 Title (Repealed)**

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-4 Purpose (Repealed)**

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-5 Standard statewide building code (Repealed)**

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-6 Classification of rules (Repealed)**

Sec. 6 *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-7 Applicability (Repealed)**

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-8 Application to existing buildings, structures and systems (Repealed)**

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-9 Alternate materials, methods and designs (Repealed)**

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-10 Interpretations (Repealed)**

Sec. 10 *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-11 Tests (Repealed)**

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-12 Appeals (Repealed)**

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-13 Variances (Repealed)**

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-14 Construction release (Repealed)**

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-15 Application for construction release (Repealed)**

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-16 Special releases (Repealed)**

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-17 Provisions of construction releases (Repealed)**

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-18 Enforcement (Repealed)**

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-19 Building permits (Repealed)**

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

**675 IAC 12-1-20 Local plan review and permit issuance (Repealed)**

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

#87-53 was filed Jul 17, 1987.]

**675 IAC 12-1-21 Local fees (Repealed)**

Sec. 21. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

**675 IAC 12-1-22 Inspection by local building officials (Repealed)**

Sec. 22. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

**675 IAC 12-1-23 Inspection and testing (Repealed)**

Sec. 23. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

**675 IAC 12-1-24 Certificate of occupancy (Repealed)**

Sec. 24. (Repealed by Fire Prevention and Building Safety Commission; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1009)

**675 IAC 12-1-25 Availability of rules (Repealed)**

Sec. 25. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

**Rule 1.1. General Provisions**

**675 IAC 12-1.1-1 Title; availability**

Authority: IC 22-13-2-13  
Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. (a) This article shall be known as the general administrative rules for the Indiana fire and building services department.  
(b) This article is available for purchase from the Fire and Building Services Department, 402 West Washington Street, Room 243, Indianapolis, Indiana 46204. (Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-1; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2681, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2081; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 12-1.1-2 Purpose**

Authority: IC 22-13-2-13  
Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. The purpose of this article (675 IAC 12) is to provide for administrative procedures and general provisions for the Fire Prevention and Building Safety Commission, and the Fire and Building Services Department and its various offices and divisions. (Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-2; filed Jul 17, 1987, 2:30 pm: 10 IR 2681, eff Aug 1, 1987 [IC

4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 12-1.1-3 Statutory authority**

Authority: IC 22-13-2-13

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. Indiana Code Articles 22-11, 22-12, 22-13, 22-14 and 22-15 establish the authority, power and duties of the Fire Prevention and Building Safety Commission, and the Fire and Building Services Department and its various offices and divisions. (*Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-3; filed Jul 17, 1987, 2:30 pm: 10 IR 2681, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*)

**675 IAC 12-1.1-4 Definitions**

Authority: IC 22-13-2-13

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. (a) The definitions in this section apply throughout all rules of the Commission (675 IAC).

(b) "Commission" refers to the Fire Prevention and Building Safety Commission as established by IC 22-12-2-1.

(c) "Department" refers to the Fire and Building Services Department as established by IC 22-12-5-1.

(d) "Executive director" refers to the executive director of the department appointed pursuant to IC 22-12-5-4.

(e) "Rules of the commission" means all rules, including documents incorporated by reference, which have been adopted by the Commission and are found in 675 IAC. As appropriate by the context, the term "rule of the Commission" means any applicable section or sections of a rule.

(f) "Secretary" refers to the Executive Director of the Department serving as secretary of the Commission pursuant to IC 22-12-5-4(c).

(g) All definitions found in IC 22-12-1 apply to all rules of the Commission except where the context requires otherwise. (*Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-4; filed Jul 17, 1987, 2:30 pm: 10 IR 2681, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*)

**675 IAC 12-1.1-5 Organization of the rules of the commission**

Authority: IC 22-13-2-13

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. The rules of the commission are organized in Title 675 of the Indiana Administrative Code as follows:

- (1) Articles 1 through 11 Repealed.
- (2) Article 12 Administration.
- (3) Article 13 Building Codes.
- (4) Article 14 One and Two Family Dwelling Codes.
- (5) Article 15 Industrialized Building Systems.
- (6) Article 16 Plumbing Codes.
- (7) Article 17 Electrical Codes.
- (8) Article 18 Mechanical Codes.
- (9) Article 19 Energy Conservation Codes.
- (10) Article 20 Swimming Pool Codes.
- (11) Article 21 Safety Code for Elevators, Escalators, Manlifts, and Hoists.
- (12) Article 22 Fire Prevention Codes.
- (13) Article 23 Amusement Devices.
- (14) Article 24 Supplementary Fire Safety Rules.

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*(Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-5; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2081; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**Rule 2. Approval of Local Building Rules and Regulations (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Feb 1, 1988, 2:19 pm: 11 IR 1794)*

**Rule 3. Fee Schedules**

**675 IAC 12-3-1 Availability (Repealed)**

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:45 pm: 10 IR 2701, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-54 was filed Jul 17, 1987.]*

**675 IAC 12-3-2 Schedule of fees for site built construction**

Authority: IC 22-12-6-6

Affected: IC 22-12-6-4; IC 22-15-3-2

Sec. 2. (a) Every application for construction design release (ACDR) required by 675 IAC 12-6 shall be accompanied by payment to the Fire and Building Services Fund in an amount prescribed in this section.

(b) The design release fees shall be as follows:

<u>All Projects</u>	<u>Amount</u>
Filing Fee	\$69
plus	
Processing Fee	\$69 minimum*
TOTAL	\$138 minimum*

\*The minimum processing fee only applies where the categorical processing fee is less than \$69.

(c) The categorical processing fees shall be as follows:

Category A (Normal Occupancy): All buildings and structures not specifically listed in Categories B, C, D, and E. The fee is \$0.040 times the gross square feet of floor area.

Category B (Minimal Occupancy–Area related): Generating plants, livestock sales, hangars, open parking structures, truck freight terminals, warehouses, refrigerated storage, and similar uses. The fee is \$0.020 times the gross square feet of floor area.

Category C (Cost related): Remodeling and renovation (no additions). The fee is \$0.0020 times the construction cost. Not to exceed fees as specified for Categories A and B, calculated on the basis of the floor area of each affected story.

Category D (Minimal Occupancy–Cost related): Control towers, monuments, dust collectors, smoke stacks, towers, mausoleums, memorials, and similar uses, grain elevators, concrete or asphalt plants, bulk product processing plants, and other occupied high volume low area structures. The fee is \$0.0001 times the construction cost.

Category E (Minimal Occupancy–Volume related): Swimming pools. The fee is \$0.010 times the gross cubic feet.

Category F (Flammable Liquid or Gas Facilities): Each initial installation of one (1) or more bulk storage tanks, piping or dispensing equipment for Class I, II, IIIA, and IIIB liquids, liquefied petroleum (LP) gas, or liquefied natural gas (LNG) or replacement of such tanks or piping at the same location. The fee is \$40 each tank.

(d) The special processing fees shall be as follows:

<u>Special Processing Fees</u>	<u>Amount</u>
(1) Each additional submission for a partially filed project	\$115
(2) Surcharge for late filing of plans and specifications in accordance with 675 IAC 12-6-8(c) <sup>2</sup>	\$69
(3) Foundation release	\$115
(4) Addenda and revisions, each system modified per submission (other than compliance corrections) <sup>3</sup>	\$35

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(5) Master plans, each series or structure	\$173
(6) Incomplete project filing (mailed submissions only) <sup>4</sup>	\$12
(7) Returned checks	\$35
(8) Reinstatement or time extension of design release	\$23

Notes:

<sup>1</sup>The regular filing and processing fees are paid with the initial submission of the ACDR.

<sup>2</sup>The surcharge fee, if not collected at the time the ACDR is filed, must be paid prior to issuance of any design release.

<sup>3</sup>Systems are architectural, structural, electrical, plumbing, mechanical (HVAC), and fire protection.

<sup>4</sup>Payable when missing documents are subsequently filed.

(e) The explanation of terms shall be as follows:

(1) Square footage (floor area) shall be determined by the outside dimensions of the building or structure. This shall include usable area under the horizontal projection of the roof or floor above such as porches, canopies, and balconies.

(2) Cubic footage (volume) shall be the gross volume of the building or structure as determined by the outside dimensions of the building or structure.

(3) Costs (construction) shall be the cost of the labor and materials required to perform the stated scope of construction. It need not include the cost of the land, interior furnishings, or processing equipment.

(f) The state building commissioner may authorize the refunding of any fee specified in this section which was paid or collected in error. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-2; filed Jan 29, 1986, 3:00 p.m.: 9 IR 1363, eff Mar 1, 1986; filed Feb 17, 1987, 3:15 p.m.: 10 IR 1386, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #86-152 was filed Feb 17, 1987.]; filed Jul 17, 1987, 2:45 p.m.: 10 IR 2700, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-54 was filed Jul 17, 1987.]; filed Jun 3, 1988, 2:15 p.m.: 11 IR 3555, eff Aug 1, 1988; filed Sep 27, 1989, 4:30 p.m.: 13 IR 294; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2285; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2731*)

**675 IAC 12-3-3 Fireworks display permit fee**

Authority: IC 22-11-14-2; IC 22-12-6-6

Affected: IC 22-12-6

Sec. 3. An application for a permit to conduct a supervised public display of fireworks shall be accompanied by payment to the Fire and Building Services Fund in the amount of sixty-nine dollars (\$69) for each such permit. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-3; filed Jan 29, 1986, 3:00 p.m.: 9 IR 1364, eff Mar 1, 1986; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2234; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2732*)

**675 IAC 12-3-4 Variance application fees**

Authority: IC 22-12-6-6

Affected: IC 22-13-2-11

Sec. 4. (a) Every application for a variance from the rules of the commission shall be accompanied by payment to the Fire and Building Services Fund in an amount as follows:

Variance application filing fee:	\$138
plus	
Plan examination and processing fee:	
Single code provision	\$138
Each additional unrelated code provision	\$69

(b) As used in this section, "unrelated code provision" means a provision of an adopted code or standard that covers subject matter that is not contingent upon or directly affecting the requirements of a different code provision for which a variance is being sought by the same applicant at the same time. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-4; filed Jul 17, 1987, 2:45 p.m.: 10 IR 2701, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing*

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*with the secretary of state. LSA Document #87-54 was filed Jul 17, 1987.; filed Jun 3, 1988, 2:15 p.m.: 11 IR 3556, eff Aug 1, 1988; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2234; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2732)*

**675 IAC 12-3-5 Explosive magazine permit fee**

Authority: IC 22-12-6-6

Affected: IC 22-14-4-4; IC 22-14-4-5

Sec. 5. (a) An application for issuance of a regulated explosive magazine permit shall be accompanied by payment to the Fire and Building Services Fund in an amount as follows:

Type 1, 4, or 5 each \$138

Type 2, 3, or indoor each \$69

(b) An application to annually renew a regulated explosive magazine permit shall be accompanied by payment to the Fire and Building Services Fund in an amount as follows:

Type 1, 4, or 5 each \$69

Type 2, 3, or indoor each \$35

*(Fire Prevention and Building Safety Commission; 675 IAC 12-3-5; filed Feb 1, 1988, 2:16 p.m.: 11 IR 1789; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2235; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2733)*

**675 IAC 12-3-6 Construction inspection fees**

Authority: IC 22-12-6-6; IC 22-13-2-13

Affected: IC 22-15-2-6

Sec. 6. (a) This section applies to any Class 1 building or structure, for which a design release is required under 675 IAC 12-6, and is located within the jurisdiction of a political subdivision that has not established a program to periodically inspect, or cause to be inspected, construction as determined under 675 IAC 12-10-9.

(b) The fees collected under section 2 of this rule for a design release shall be increased by one (1) of the following amounts, whichever is greater:

(1) Eighty dollars (\$80).

(2) One-half ( $\frac{1}{2}$ ) of the categorical processing fee, but not more than seven hundred fifty dollars (\$750).

*(Fire Prevention and Building Safety Commission; 675 IAC 12-3-6; filed Feb 1, 1988, 2:18 p.m.: 11 IR 1795, eff Apr 1, 1988; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2287; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2081; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2733)*

**675 IAC 12-3-7 Statewide fire and building safety education fund**

Authority: IC 22-12-6-6

Affected: IC 22-12-6-3; IC 22-12-6-4

Sec. 7. This section applies to design release fees as established in section 2 of this rule. For each design release issued, twelve dollars (\$12) of the filing fee is designated for deposit in the statewide fire and building safety education fund established in IC 22-12-6-3. *(Fire Prevention and Building Safety Commission; 675 IAC 12-3-7; filed Sep 27, 1989, 4:30 p.m.: 13 IR 295; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2733)*

**675 IAC 12-3-8 Amusement and entertainment permit and inspection fees**

Authority: IC 22-12-6-7

Affected: IC 22-12-6; IC 22-14-3-4

Sec. 8. (a) An application for issuance of a permit for a regulated place of amusement or entertainment shall be accompanied by payment to the fire and building services fund in an amount as follows:

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(1) Category A: Places where the occupant load is based entirely on fixed seating capacity and all planned amusement or entertainment activity utilizes a single floor plan described in 675 IAC 12-9-3(a)(2). Examples are theaters and auditoriums.

<u>Occupant Load</u>	<u>Fee</u>
1-99	\$69
100-499	\$104
500-999	\$138
1,000-4,999	\$173
5,000-9,999	\$207
10,000 or more	\$242

(2) Category B: Places where the maximum occupant load is calculated under the method prescribed in the Indiana Building Code, 675 IAC 13. The occupant load may include persons seated in moveable seats or bleachers, fixed seating, persons standing, and combinations thereof. Examples include indoor stadiums, arenas, gymnasiums, halls, nightclubs, and other assembly type buildings or portions thereof. The application fee is calculated from the same schedule as Category A plus an additional sixty-nine dollars (\$69) for each seating configuration or arrangement described in the floor or site plans submitted with the application under 675 IAC 12-9-3(a).

(b) An application for issuance of a special event endorsement under IC 22-14-3-4 shall be accompanied by payment to the fire and building services fund in an amount of sixty-nine dollars (\$69) for inspection of the place of amusement or entertainment. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-8; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2235; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2733*)

**675 IAC 12-3-9 Fireworks wholesale permit fees**

Authority: IC 22-12-6-8  
Affected: IC 22-11-14-5; IC 22-12-6

Sec. 9. An application for issuance of a fireworks manufacturer, distributor, wholesaler, or importer permit under IC 22-11-14-5 shall be accompanied by payment in the amount of one thousand dollars (\$1,000) for each such permit. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-9; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2235; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-3-10 Fireworks retail stand permit fees**

Authority: IC 22-12-6-8  
Affected: IC 22-12-5; IC 23-17

Sec. 10. (a) An application for a fireworks retail stand permit shall be accompanied by payment to the Fire and Building Services Fund as follows:

(1) 1 to 4 retail stands	\$276
(2) 5 to 10 retail stands	\$552
(3) 11 to 20 retail stands	\$966
(4) 21 to 50 retail stands	\$1,380

plus \$35 for each stand more than 50.

(b) A nonprofit corporation incorporated under IC 23-7-1.1 (before its repeal on August 1, 1991) or IC 23-17 is exempt from the fees under this section. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-10; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2235; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2734*)

**675 IAC 12-3-11 Inspection fee for existing buildings**

Authority: IC 22-12-6-6  
Affected: IC 22-12-6-1; IC 22-13-4-5

Sec. 11. If a design release for rehabilitation work to an existing building, issued under 675 IAC 12-8-3(a), requires passing

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an on-site inspection conducted by the department, an inspection fee in the amount of seventy-five dollars (\$75) shall be paid by the applicant for the design release. The fee shall be paid to the Fire and Building Services Fund. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-11; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2236; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-3-12 Returned check fee**

Authority: IC 22-12-6-6  
Affected: IC 22-12-6

Sec. 12. This section is applicable to all fees prescribed in this rule. There will be an additional surcharge of thirty-five dollars (\$35) for any returned check. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-12; filed Aug 10, 1994, 10:40 a.m.: 17 IR 2859; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2082; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2734*)

**675 IAC 12-3-13 Boiler and pressure vessel inspection, permitting, and licensing fees**

Authority: IC 22-12-6-6; IC 22-13-2-13  
Affected: IC 22-12-7-5; IC 22-15-6

Sec. 13. (a) The office of the state building commissioner may not charge an owner or user more than two (2) of the fees described in subsections (b) through (e) for inspections of regulated boilers and pressure vessels during a particular calendar year. However, a fee of twenty-five dollars (\$25) shall be paid by an owner or user who has failed to:

- (1) prepare a boiler or pressure vessel for the required inspection on the date specified by the inspector; or
- (2) make repairs or otherwise correct conditions of noncompliance applicable to regulated equipment within the time frame specified in a correction order pursuant to IC 22-12-7-5.

Verification of the conditions noted in either subdivision (1) or (2) shall be documented on the inspection report form mandated by the division of boiler and pressure vessel safety (division) to report inspection activities relating to equipment regulated by the division.

(b) The fees for the internal inspection of regulated boilers shall be as follows:

Heating Surface Area (in square feet)	Amount
0-100	\$24
101-500	\$36
501-1,000	\$48
1,001-10,000	\$90

Fees for internal inspection of regulated boilers exceeding ten thousand (10,000) square feet of heating surface shall be charged at the rates specified in subsection (i).

(c) The fees for the external inspection of regulated boilers shall be as follows:

Heating Surface Area (in square feet)	Amount
0-50	\$18
51-150	\$24
151 or more	\$40

(d) The fees for the internal or external inspection of regulated pressure vessels shall be based on the sectional area of the vessel (overall length head to head times the width or outside diameter) expressed in square feet as follows:

Area (in square feet)	Amount
0-50	\$15
51-150	\$30
Greater than 150	\$60

(e) The fee for internal or external inspection of a service water heater shall be ten dollars (\$10).

(f) The operating permit processing fee for all certificates of inspection (operating permits) issued by the office shall be

twenty-five dollars (\$25). In all cases, this fee is in addition to fees for inspection activities.

(g) A request to recreate an operating permit that has been lost shall be accompanied by a payment of fifteen dollars (\$15).

(h) An application for a variance from a rule adopted by the boiler and pressure vessel rules board shall be accompanied by a fee of two hundred dollars (\$200). An additional five hundred dollars (\$500) shall accompany the application when engineering calculations are included for review.

(i) The fees for inspection and/or audit activities requested that are not otherwise listed in this section shall be either of the following:

(1) Three hundred dollars (\$300) per day, not to exceed four (4) regular working hours.

(2) Six hundred dollars (\$600) per day exceeding four (4) regular working hours, plus seventy-five dollars (\$75) per hour exceeding eight (8) regular working hours in a particular day, plus actual expenses incurred, such as travel, lodging, and dining expenses.

A fee computed under this subsection must cover the period from the time the inspector leaves the inspector's regular work schedule to the time the inspector returns to the inspector's regular work schedule and is payable upon receipt of an invoice.

(j) A payment of twenty dollars (\$20) per object inspected shall accompany the annual report of inspection of owner or user inspection agencies.

(k) An application for an owner or user inspection agency certificate shall be accompanied by payment of five hundred dollars (\$500).

(l) An application to sit for an inspector examination shall be accompanied by payment of one hundred dollars (\$100).

(m) The annual renewal of an inspector license shall be accompanied by payment of twenty-five dollars (\$25).

(n) All payments to the office are payable to the Fire and Building Services Fund. The state building commissioner may authorize the refunding of any fee specified in this section that was paid or collected in error. *(Fire Prevention and Building Safety Commission; 675 IAC 12-3-13; filed Dec 9, 2002, 11:15 a.m.: 26 IR 1556, eff Apr 1, 2003)*

**675 IAC 12-3-14 Regulated lifting device permitting and certification fees**

Authority: IC 22-12-6-6; IC 22-13-2-13

Affected: IC 22-15-5

Sec. 14. (a) An application for an installation or alteration permit for a regulated lifting device shall be accompanied by payment as follows:

Type of Device	Amount
(1) Vertical wheelchair lift, incline wheelchair lift, and incline chair lift	\$250
(2) Any other regulated lifting device, including elevator, escalator, belt manlift, personnel hoist, sewage lift station personnel hoist, or dumbwaiter	\$500

(b) An application for an initial or renewal operating certificate for a regulated lifting device shall be accompanied by payment of one hundred twenty dollars (\$120).

(c) An application for a temporary operating permit for a regulated lifting device shall be accompanied by a payment of one hundred dollars (\$100).

(d) All payments to the office are payable to the Fire and Building Services Fund. The state building commissioner may authorize the refunding of any fee specified in this section which was paid or collected in error. *(Fire Prevention and Building Safety Commission; 675 IAC 12-3-14; filed Dec 9, 2002, 11:15 a.m.: 26 IR 1557, eff Apr 1, 2003)*

**675 IAC 12-3-15 Regulated lifting device professional licensing fees**

Authority: IC 22-12-6-6; IC 22-13-2-13

Affected: IC 22-15-5

Sec. 15. (a) An application for an initial or renewal license as an elevator contractor, elevator inspector, or elevator mechanic shall be accompanied by payment as follows:

Type of License	Amount
(1) Elevator contractor	\$500

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(2) Elevator inspector	\$100
(3) Elevator mechanic	\$100
(4) Temporary elevator mechanic	\$100
(5) Emergency elevator mechanic	\$25

(b) All payments to the office are payable to the Fire and Building Services Fund. The state building commissioner may authorize the refunding of any fee specified in this section which was paid or collected in error. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-15; filed Dec 9, 2002, 11:15 a.m.: 26 IR 1558*)

**Rule 4. Development and Application of Rules**

**675 IAC 12-4-1 Purpose**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2; IC 36-8-17-13

Sec. 1. The purpose of this rule (675 IAC 12-4) is to establish administrative procedures and general provisions for the rules of the Commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-1; filed Jul 17, 1987, 2:30 pm: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-4-2 Definitions**

Authority: IC 22-13-2-13

Affected: IC 22-12-1; IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 2. (a) The definitions in this section apply throughout this title.

(b) "Building rule" means any fire safety rule, equipment rule, or other rule governing any of the following:

- (1) Fabrication of an industrialized building system or mobile structure for installation, assembly, or use at another site.
- (2) Construction, addition, or alteration of any part of a Class 1 or Class 2 structure at the site where the structure will be used.
- (3) Assembly of an industrialized building system or mobile structure that is covered by neither subdivision (1) or (2).

All building rules shall be deemed building laws as defined by IC 22-12-1-3.

(c) "Equipment rule" means a rule that applies to the design, manufacture, fabrication, assembly, installation, alteration, repair, maintenance, operation or inspection of a regulated amusement device, boiler, or lifting device. All equipment rules shall be deemed equipment laws as defined by IC 22-12-1-11.

(d) "Fire safety rule" means any building rule, equipment rule or other rule safeguarding life or property from the hazards of fire or explosion. All fire safety rules shall be deemed fire safety laws as defined by IC 22-12-1-13. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-2; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2082; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-4-3 Words and phrases not defined**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 22-13-2-13; IC 36-8-17-13

Sec. 3. Where words and phrases are not defined within the rules of the commission, they shall have their ordinary accepted meanings within the context in which they are used. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-3; filed Jul 17, 1987, 2:30 pm: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-4-4 Statutory authority**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2; IC 22-13-5; IC 36-8-17-13

Sec. 4. (a) The commission has statutory authority to adopt rules in various provisions in the Indiana Code including IC 12-3-2-3.5 [IC 12-3 was repealed by P.L.2-1992, SECTION 897, effective February 14, 1992.], IC 22-12-6-6, IC 22-13-2-2, IC 22-13-2-8, IC 22-13-2-13, and IC 36-8-17-13.

(b) The office of the state building commissioner has the statutory authority to issue a written interpretation of a building law following the provisions of IC 22-13-5. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-4; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Nov 20, 2000, 3:25 p.m.: 24 IR 998; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-4-5 Rule adoption process**

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12-5-4; IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 5. (a) The commission's rulemaking actions shall comply with the requirements of applicable provisions of the Indiana Code, including specifically IC 4-22-2.

(b) Pursuant to IC 4-22-2-15, the executive director of the department serving as the secretary of the commission under IC 22-12-5-4(c) is authorized to take any rulemaking action on the commission's behalf except final adoption of a rule under IC 4-22-2-29 and readoption of a rule subject to sections 24 through 36 of IC 4-22-2 under IC 4-22-2-40. The public hearing on a rule may be conducted by any employee of the department or another agent of the commission whenever authorized by the commission.

(c) The commission at its discretion may establish an advisory committee to aid it in the drafting and preparation of proposed rules. Membership on any such committee shall be at the sole discretion of the commission or the executive director. The advice of any such committee is not binding on the commission which by law retains its full rulemaking authority. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-5; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2082; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-4-6 Savings clause**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 22-13-2-13; IC 36-8-17-13

Sec. 6. Whenever a rule of the Commission is repealed or amended such repeal or amendment shall not have the effect to release or extinguish any penalty, forfeiture or liability incurred under such rule before its repeal or amendment, unless the amending or repealing rule promulgation shall so expressly provide; and such rule as it existed prior to the repeal or amendment shall be treated as still remaining in force for the purposes of sustaining any proper action or prosecution for the enforcement of such penalty, forfeiture, or liability. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-6; filed Jul 17, 1987, 2:30 pm: 10 IR 2683, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-4-7 Application of changes in rules of commission to particular construction projects**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 7. (a) Construction projects for which design releases must be obtained under 675 IAC 12-6 shall be done in compliance with the applicable rules of the commission in effect on the date the plans and specifications were filed with the office of the state building commissioner notwithstanding the repeal or amendment of any rule prior to the date the construction work is actually done. Accordingly any enforcement action taken by the office of the state building commissioner or the office of the state fire marshal concerning such construction shall appropriately cite the rules of the commission in effect at the time of the filing of the plans and specifications.

(b) Notwithstanding subsection (a), said construction work may be done in accordance with any rule of the commission that takes effect subsequent to the filing of the plans and specifications and prior to the actual construction work being done, provided

that an appropriate addenda and revision design release is issued under 675 IAC 12-6-18.

(c) Construction that is exempt from the design release requirements of 675 IAC 12-6 but is not exempt from the application of the rules of the commission shall be done in compliance with the rules of the commission in effect on the date the construction work is actually done. Recognizing that the rules may change during the course of construction on a particular project and uncertainty may exist as to when particular work was actually done, there shall be a rebuttable presumption that all construction for such an exempt project is done on the date the construction begins. The scope of this subsection includes construction on Class 1 structures exempted from the design release requirements by 675 IAC 12-6-4 and construction on Class 2 structures.

(d) This section does not apply to applications of the rules of the commission not related to new construction. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-7; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2683, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2083; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-4-8 Conflicts within the rules**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 22-13-2-13; IC 36-8-17-13

Sec. 8. Where, in any specific case, different sections of the rules of the Commission specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-8; filed Jul 17, 1987, 2:30 pm: 10 IR 2683, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-4-9 Maintenance of buildings and structures**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 9. (a) All buildings and structures, and any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion systems, and all parts thereof, shall be maintained in conformance with the applicable rules of the commission, or applicable rules of its predecessor agencies, in effect when constructed, installed, or altered.

(b) The requirements of subsection (a) shall not prohibit maintenance in conformance with the current applicable building rules of the commission or in another manner which would be at least as safe, sanitary, energy conserving and accessible to persons with a physical disability as that required by subsection (a).

(c) Buildings and structures, and any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems, and all parts thereof, constructed, installed, or altered prior to the adoption of applicable rules by the commission or its predecessor agencies (including construction, installation, or alteration prior to the creation of the predecessor agencies) shall be maintained in a condition at least as safe and sanitary as they were when constructed, installed, or altered.

(d) This section does not prohibit the removal of buildings, structures, or any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems, or components thereof not required for the current use and occupancy by the rules of the commission or its predecessor agencies at the time of construction, installation, or alteration (including construction, installation, or alteration prior to the creation of the predecessor agencies).

(e) Notwithstanding subsection (d), no alteration or removal shall cause an existing building, structure, or any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems to become unsafe or overloaded under the provisions of the current rules of the commission for new construction.

(f) Notwithstanding subsection (d), no alteration or removal shall reduce existing fire protection or detection systems or exit capacities to a level less than that required under the provisions of the current rules of the commission for new construction. (*Fire*

*Prevention and Building Safety Commission; 675 IAC 12-4-9; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2683, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2083; errata filed Feb 2, 1998, 8:30 a.m.: 21 IR 2129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-4-10 Moved buildings or structures**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 10. All buildings or structures that are moved into the state shall comply with, or be made to comply with, the requirements of the commission for new construction for their intended use at their new location. All buildings or structures that are moved within the state, or to a new location on the same site, shall comply with, or shall be made to comply with, section 11(a) or 11(b) of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 12-4-10; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2684, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Aug 10, 1994, 10:40 a.m.: 17 IR 2859; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2084; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-4-11 Occupancy of existing buildings**

Authority: IC 22-13-2-13

Affected: IC 12-17.2; IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 11. (a) Any building or structure lawfully in existence at the time of the adoption of any rule of the commission for new construction may have its existing use or occupancy continued without having to be altered to comply with such a rule.

(b) No change in the character or use of any building or structure shall be permitted that shall cause the building or structure to be classified within a different occupancy group or within a different division of the same occupancy group, unless such building or structure complies with, or is made to comply with:

- (1) the current rules of the commission for new construction for the proposed revised use of the building;
- (2) the provisions of 675 IAC 12-8; or
- (3) the provisions of 675 IAC 12-13.

Exception: Buildings constructed prior to the effective date of the 1998 Indiana building code (675 IAC 13) that change occupancy classification shall not be considered as a change in occupancy as outlined as follows:

Previous Classification	1998 IBC Classifications
B-1	S-3
B-2	B, F-1, M, S-1, and S-2
B-3	S-4 and S-5
B-4	F-2 and S-2
Open Parking Garage	S-4
M	U

(c) Occupancies or rooms, in which the use is changed to include the consumption of alcoholic beverages, and unseparated accessory uses to those occupancies or rooms, where the total area of such unseparated rooms and accessory uses exceeds five thousand (5,000) square feet, shall be made to comply with the sprinkler requirements of 675 IAC 13. For the use to be considered as separated, the separation shall not be less than as required for a one (1) hour occupancy separation in accordance with 675 IAC 13.

(d) The office of the state building commissioner may conduct an inspection to determine that:

- (1) a building or structure may be exempted from the rules for new construction under 675 IAC 12-8 or 675 IAC 12-13; or
- (2) a proposed change in character or use of any Class 1 building or structure will not cause noncompliance with subsection (b).

(e) Subsection (b) shall not prohibit the following accessory uses within Class 2 structures provided they are in one (1) room that does not exceed five hundred (500) square feet in floor area:

- (1) Wholesale and retail sales.
- (2) Offices.
- (3) Craft or hobby workshops.

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(4) Storage and sales rooms for other than hazardous materials.

(5) Instructional classroom for less than twenty (20) adults or children when used not more than twelve (12) hours per week or four (4) hours in any one (1) day.

(f) Subsection (b) shall not prohibit the following accessory uses within Class 2 structures: Class I child care homes and Class II child care homes, licensed in accordance with IC 12-17.2.

(g) Subsection (b) shall not prohibit the use of a Class 1 structure for residential occupancy not to exceed thirty (30) days in a calendar year, if all of the following conditions are met:

(1) The portion of the Class 1 structure being used for the residential occupancy is classified as A, B, E, or M occupancy.

(2) All existing exit signs shall be fully operational at all times.

(3) All means of egress shall be completely clear and unobstructed. All rooms used for sleeping shall exit to a corridor or exterior exit door.

(4) All emergency lighting shall be fully operational at all times. If emergency lighting is not installed in the building, it shall be installed in accordance with the current Indiana building code.

(5) All fire alarm systems, including manual pull stations, smoke detectors, horns, and strobes shall be fully operational and shall have been tested in accordance with the rules of the commission within the preceding twelve (12) months. Test documentation shall be maintained on the premises for inspection by the fire official.

(6) For buildings without an automatic alarm system, battery-operated smoke alarms shall be located in each room or space in which people will be sleeping. These alarms shall be tested at least monthly and shall be kept fully operational at all times. Test documentation shall be maintained on the premises for inspection by the fire official.

(7) No extension cords shall be used. Power strips with circuit breakers are permitted.

(8) Smoking within the building or buildings shall be prohibited at all times. "No Smoking" signs shall be posted in all areas used for residential purposes.

(9) Emergency evacuation plans shall be established in writing, including procedures to be followed in case of emergencies, location of exits, and gathering place outside for assembly after evacuation in the event of a fire or other emergency. All individuals using the building shall be trained in the emergency evacuation procedures.

(10) There shall be telephone access at all times for notification of emergencies.

(11) The officer on duty at the nearest responding fire station shall be notified that the building is being used for a residential occupancy, and a calendar shall be provided to the fire station showing the dates that people will be using the building for a residential occupancy and listing a contact phone number for a representative of the organization that uses the structure for residential purposes.

(12) All of the members, volunteers, and employees of the following who are present when the building is used for residential occupancy shall be trained in emergency procedures and shall be equipped with flashlights:

(A) The entity that operates the facility for nonresidential purposes; and

(B) The organization that uses the structure for residential purposes.

(13) At least one (1) adult member, volunteer, or employee of:

(A) the entity that operates the facility for nonresidential purposes; or

(B) the organization that uses the structure for residential purposes;

shall be awake and on duty at all times that people are sleeping in the building.

(14) There shall be at least one (1) adult member, volunteer, or employee of:

(A) the entity that operates the facility for nonresidential purposes; or

(B) the organization that uses the structure for residential purposes;

on site for each fifteen (15) people who will be sleeping in the building.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-4-11; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2684, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2585, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2084; errata filed Apr 15, 1998, 10:30 a.m.: 21 IR 3367; filed Nov 20, 2000, 3:25 p.m.: 24 IR 998; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Jun 25, 2004, 11:00 a.m.: 27 IR 3505)*

**675 IAC 12-4-12 Existing buildings; additions or alterations**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 36-8-16-13

Sec. 12. (a) Buildings, structures, and any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems to which additions or alterations are made shall comply with the rules of the commission for new construction except as specifically provided in this section.

(b) Additions or alterations may be made to any existing building, structure, or any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems without requiring the entire existing building, structure, or system to comply with all the requirements of the rules of the commission provided:

(1) the construction work within the scope of the addition or alteration conforms to the requirements for new construction; and

(2) subsections (c) through (f) and (h) are not violated.

(c) No addition or alteration shall cause an existing building, structure, or any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems to become noncompliant under the provisions of the current rules of the commission for new construction or with the applicable rules of the commission or its predecessor agencies in effect at the time the original construction or installation was made.

(d) No addition or alteration shall reduce existing fire protection or detection systems or exit capacities to a level less than that required under the provisions of the rules of the commission for new construction.

(e) When there is a change in use or occupancy, the existing building or structure shall not exceed the height, number of stories, or area permitted by the rules of the commission for new construction for the new use or occupancy.

(f) No addition to a building or structure plus the existing building or structure shall exceed the height, number of stories, and area allowed by the rules of the commission for a new building or structure.

(g) Minor nonstructural alterations to an existing building or structure, which do not adversely affect any structural members or any part of the building or structure having required fire resistance, may be made with the same materials of which the building or structure is constructed.

(h) Notwithstanding subsection (g), the following shall meet the requirements of the rules of the commission for new construction:

(1) The installation or replacement of glass shall meet the requirements for safety glazing.

(2) The installation or replacement of wall and ceiling finishes shall meet the requirements for flame spread ratings.

(3) The installation or replacement of any potable water distribution system, or portion thereof, shall be only of lead-free pipe, fittings, flux, and solder.

(i) Repairs to any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion systems may be made in accordance with the current rules of the commission for new construction or with the applicable rules of the commission or its predecessor agencies in effect at the time original installation was made.

(j) Alterations of buildings built prior to January 21, 1978, (the effective date of the first state rule for energy conservation) need not conform with the new construction standards of 675 IAC 19.

(k) If the rehabilitation of an existing building is undertaken pursuant to 675 IAC 12-8, full compliance with all rules of the commission shall be required for all construction work done in the rehabilitation. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-12; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2684; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1274, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2085; filed Nov 20, 2000, 3:25 p.m.: 24 IR 999; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**Rule 5. Variances**

**675 IAC 12-5-1 Purpose**

Authority: IC 22-13-2-13

Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 1. The purpose of this rule (675 IAC 12-5) is to establish administrative procedures and general provisions for the Commission in the exercising of its variance authority under IC 22-13-2-11. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-1; filed Jul 17, 1987, 2:30 pm: 10 IR 2685, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-5-2 Definitions**

Authority: IC 22-13-2-13

Affected: IC 22-12-7-3; IC 22-13-2-11; IC 25-4; IC 25-31

Sec. 2. (a) The definitions in this section apply throughout this rule.

(b) "Applicant" or "applicant for a variance" means the person who would be in violation of a rule of the commission if he or she maintained the conditions sought to be legalized by a variance and did not obtain the variance. This person is usually the owner of the premises in question.

(c) "Architecturally significant" means the same as historically significant.

(d) "Design professional" means a registered architect or professional engineer who is registered under IC 25-4 or IC 25-31.

(e) "Historically significant" means any structure which is important to the general, archaeological, agricultural, economic, social, political, architectural, industrial, or cultural history of the United States or of Indiana.

(f) "Staff" or "commission's staff" means personnel of the division of technical services and research of the department and any other employees of the department working in conjunction with the division's personnel.

(g) "Undue hardship" means unusual difficulty in meeting the requirements of the rules of the commission because of physical limitations of a construction site or its utility services, major operational problems in the use of a building or structure, or excessive costs of additional or altered construction elements. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-2; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2685, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2085; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-5-3 Statutory authority**

Authority: IC 22-13-2-13

Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 3. As provided for by IC 22-13-2-11, the Commission may grant a variance to a rule it has adopted if the applicant pays the appropriate fee and submits facts demonstrating that:

(1) compliance with the rule will impose an undue hardship upon the applicant or prevent the preservation of an architecturally significant or historically significant part of a building or other structure; and

(2) either:

(A) noncompliance with the rule; or

(B) compliance with an alternative requirement approved by the Commission,

will not be adverse to the public health, safety, or welfare. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-3; filed Jul 17, 1987, 2:30 pm: 10 IR 2685, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-5-4 Application process**

Authority: IC 22-13-2-13

Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 4. (a) A variance from the rules of the commission may be applied for at any time.

(b) An applicant for a variance shall:

(1) Submit an application to the secretary on a form provided by the secretary or on a reasonable facsimile the information

required by section 5 of this rule.

(2) Pay the fee required under 675 IAC 12-3-4 by a check or money order payable to the State Building Commissioner Fund.

(c) An application may be submitted by the applicant or on the applicant's behalf by a representative. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-4; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2686, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2086; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1000; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-5-5 Application**

Authority: IC 22-13-2-13

Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 5. An application for a variance shall include the following information either on the application form or, if appropriate, as an attachment:

- (1) The name and address of the applicant and the name and address of the person submitting the application if it is not submitted by the applicant.
- (2) The address and county of the premises for which the variance is being sought.
- (3) If the variance involves a project for which plans and specifications have been filed for a design release under 675 IAC 12-6, the state building commissioner's project number.
- (4) Identification (by specific citation) of the rule of the commission from which the applicant requests a variance.
- (5) Specific description of the rooms, equipment, etc., involved.
- (6) A specific description of:
  - (A) the undue hardship that compliance with this rule will impose on the applicant; or
  - (B) how compliance with the rule will prevent the preservation of an architecturally significant part of a building or other structure and the information required by section 7 of this rule.
- (7) A statement:
  - (A) that noncompliance with the rule will not be adverse to the public health, safety, or welfare and a specific explanation as to why that is so; or
  - (B) alternative actions that the applicant would be willing to undertake in lieu of compliance with the rule to ensure that the granting of the variance will not be adverse to the public health, safety, or welfare and a specific explanation as to why it or they would be adequate.
- (8) Three (3) sets of plans or drawings and supporting data that describe the area affected by the requested variance and any alternatives proposed by the applicant.
- (9) Any information that the applicant believes may be helpful to the commission and its staff in evaluating a variance request, such as photographs.
- (10) If the requested variance concerns a fire safety rule, written documentation that the local fire department is aware of the nature of the variance.
- (11) If the requested variance involves a project for which plans and specifications have been, or must be, filed for a design release under 675 IAC 12-6 or if it involves a one (1) or two (2) family dwelling, written documentation that the local building official is aware of the nature of the variance.
- (12) If the requested variance involves a project for which plans and specifications have been, or must be, filed for a design release under 675 IAC 12-6, a signed statement by the design professional (if there is one) that the information contained in the application is accurate.
- (13) If the application is submitted on the applicant's behalf, a signed statement by the applicant that he or she is aware of the variance request and that it is made on his or her behalf.
- (14) A signed statement by the person submitting the application or the applicant that the information contained in the application is accurate.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-5-5; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2686, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Aug 10, 1994, 10:40 a.m.: 17 IR 2859; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2086;*

*filed Nov 20, 2000, 3:25 p.m.: 24 IR 1000; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-5-6 Consideration of applications**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-12-7-3; IC 22-13-2-11

Sec. 6. (a) A variance application may be reviewed by the commission's staff prior to its consideration by the commission. Accordingly, and to allow for mailing of the application to commission members for their review, no variance request shall be placed on the commission's agenda for any meeting of the commission scheduled for a date less than twenty-eight (28) calendar days subsequent to the receipt of the variance request, except where the applicant would be prejudiced by having to wait for a later meeting because of excessive loss of time or unreasonable cost. Otherwise, a variance request shall be placed on the agenda for the first meeting scheduled later than twenty-eight (28) calendar days subsequent to the receipt of the variance request.

(b) The commission's staff may hold informal meetings with the applicant and/or representatives in the course of its review of a variance application.

(c) At its discretion, the commission's staff may make a recommendation to the commission concerning a variance request.

(d) The applicant may submit additional information or materials prior to the commission's meeting at which the variance will be considered in order to come into compliance with sections 4 and 5 of this rule or for other appropriate reasons.

(e) At the commission's meeting at which the variance is on the agenda, participation by the applicant or representative is at the discretion of the commission.

(f) If any additional factors not considered by the commission's staff in its review of the variance application come up in the meeting, the commission may table the variance until its next meeting to allow for further review.

(g) If the commission grants the variance, it may, if appropriate, impose requirements other than those suggested by the applicant.

(h) Any application for variance, pending or tabled for lack of information requested by the staff or the commission, after three (3) consecutive months, may be placed on the commission's agenda for determination. The commission shall base its determination on the written information provided by the applicant.

(i) The commission shall not grant a variance to any application that has been applied for, for which there is no violation of the commission's rules.

(j) An order granting or not granting a variance shall be issued following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed merely to have been a preliminary determination. *(Fire Prevention and Building Safety Commission; 675 IAC 12-5-6; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2687, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2087; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1001; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-5-7 Architecturally or historically significant structures**

Authority: IC 22-13-2-13

Affected: IC 14-21; IC 22-12-7-3; IC 22-13-2-11

Sec. 7. A structure shall be deemed as architecturally significant or historically significant if it has been placed on the National Register of Historic Places under the National Historic Preservation Act (16 U.S.C. § 470 et seq.) or if it has been placed on the Register of Indiana Historic Sites and Structures under IC 14-21. A determination that a structure has been determined eligible for the Register of Indiana Historic Sites and Structures by the Division of Historic Preservation and Archeology of the Indiana Department of Natural Resources creates a presumption that a structure is architecturally or historically significant. *(Fire Prevention and Building Safety Commission; 675 IAC 12-5-7; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2687, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2088; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-5-8 Fee refunds**

Authority: IC 22-13-2-13

Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 8. (a) The variance application filing fee provided for by 675 IAC 12-3-4 is not refundable. However, the variance plan examination and processing fee is refundable if the applicant withdraws the application prior to the variance request being placed on the commission's agenda, or one (1) week prior to the commission's meeting on which it has been placed on the agenda, whichever is later.

(b) When the commission determines that a variance is not required because there is no violation of the commission's rules, or any variance fee has been paid or collected in error, the fee is refundable. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-8; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2687, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2088; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-5-9 Sanctions imposed on previously issued variances**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 4-21.5-4; IC 22-12-7-6; IC 22-12-7-7; IC 22-13-2-11

Sec. 9. (a) The commission may impose a sanction concerning a variance it has previously issued under IC 22-12-7-7. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(b) The state building commissioner, state fire marshal, local fire department, local building officials, and individuals affected by the variance may submit information to the commission concerning the desirability of the imposition of such a sanction. At the commission's meeting at which the sanction is on the agenda, participation by the interested party or representative of the interested party is at the discretion of the commission.

(c) The commission may impose an appropriate sanction whenever one (1) or more of the following exist:

(1) It determines that the variance was obtained by the applicant by fraudulent or misleading statements or information.

(2) Notification of the required local officials required by 675 IAC 12-5-5(10) and 675 IAC 12-5-5(11) [*sic., section 5(10) and 5(11) of this rule*] was not given.

(3) That there has not been compliance with an alternative requirement contained in the variance.

(4) That circumstances have materially changed since a variance was granted so that, if the sanction is not imposed, public health, safety, or welfare will be adversely affected.

(d) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed to have been merely a preliminary determination.

(e) Sanctions under this section may be imposed under IC 22-12-7-6 and IC 4-21.5-4 where appropriate. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-9; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2687, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2088; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1001; errata filed Jan 31, 2001, 9:22 a.m.: 24 IR 1670; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**Rule 6. Design Releases**

**675 IAC 12-6-1 Purpose and scope**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15-3

Sec. 1. (a) The purpose of this rule is to establish administrative procedures and general provisions for the filing of plans and specifications and the issuance of design releases under IC 22-15-3.

(b) This rule covers the filing of plans and specifications and the issuance of design releases for Class 1 structures. The filing of plans and specifications and the issuance of design releases for industrialized building systems and mobile structures are covered by the special administrative rules for industrialized building systems and mobile structure systems under 675 IAC 15. (*Fire*

*Prevention and Building Safety Commission; 675 IAC 12-6-1; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2688, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Sep 13, 1988, 2:34 p.m.: 12 IR 319; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2089; errata filed Apr 15, 1998, 10:30 a.m.: 21 IR 3367; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-2 Definitions**

Authority: IC 22-13-2-13

Affected: IC 22-12-1-5; IC 22-12-1-17; IC 22-15-3; IC 25-4; IC 25-31; IC 32-1-6-2

Sec. 2. (a) The definitions in this section apply throughout this rule.

(b) "Class 1 structure" means the following:

(1) Any part of the following:

(A) A building or structure that is intended to be or is occupied or otherwise used in any part by any of the following:

(i) The public.

(ii) Three (3) or more tenants.

(iii) One (1) or more persons who act as the employees of another.

(B) A site improvement affecting access by persons with physical disabilities to a building or structure described in this subdivision.

(C) Storage facilities, tanks, and dispensing equipment for flammable and combustible liquids or gases.

(2) Subdivision (1) includes a structure that contains three (3) or more condominium units (as defined in IC 32-1-6-2) or other units that:

(A) are intended to be or are used or leased by the owner of the units; and

(B) are not completely separated from each other by an unimproved space.

(3) Subdivision (1) does not include a building or structure that:

(A) is intended to be or is used only for an agricultural purpose on the land where it is located; and

(B) is not used for retail trade or is a stand used for retail sales of farm produce for eight (8) or fewer consecutive months in a calendar year.

(4) Subdivision (1) does not include a Class 2 structure as defined by IC 22-12-1-5.

(5) Subdivision (1) does not include a vehicular bridge.

(c) "Construction" means any of the following:

(1) Erection or assembly of any part of a Class 1 structure at the site where it will be used.

(2) Installation of any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems for a Class 1 structure at the site where it will be used.

(3) Work undertaken to alter, remodel, rehabilitate, or add to any part of a Class 1 structure.

(4) Work undertaken to relocate any part of a Class 1 structure, except a mobile structure.

(d) "Design professional" means a registered architect or professional engineer who is registered under IC 25-4 or IC 25-31.

(e) "Structural safety" means the continued capability of load bearing members of a building or structure to transmit actual and design live and dead loads to a foundation or other load bearing members within the allowable working stresses of the materials or assembly of materials involved.

(f) "Temporary structure" means:

(1) a Class 1 structure that is erected or installed for a period of not more than ninety (90) days after which it will be demolished or relocated;

(2) portable structures on construction jobsites for use by persons involved in the construction process; or

(3) mobile structures as set forth at IC 22-12-1-17.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-6-2; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2688, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2089; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-3 Design release; requirement**

Authority: IC 22-13-2-13  
Affected: IC 22-15-3

Sec. 3. (a) No construction shall be done on a Class 1 structure until a design release has been issued by the office of the state building commissioner unless the construction is of a type specifically exempted from the design release requirements by section 4 of this rule (675 IAC 12-6-4). Design releases may be issued by the office of the state building commissioner only with the approval of the state fire marshal.

(b) If a foundation release is obtained under section 14 of this rule (675 IAC 12-6-14), construction may be done to the grade level only as provided for by section 14(c) of this rule (675 IAC 12-6-14(c)) and may not go beyond that point without the issuance of a design release or a partial design release authorizing the further construction.

(c) If a partial design release is obtained under section 15 of this rule (675 IAC 12-6-15), construction may be done to the extent of the partial design release but it may not exceed that scope without the issuance of a design release or another partial design release authorizing the further construction. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-3; filed Jul 17, 1987, 2:30 pm: 10 IR 2689, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-4 Exemptions from design release requirement**

Authority: IC 22-13-2-13  
Affected: IC 4-21.5; IC 22-15-3

Sec. 4. (a) Design releases are necessary for construction on all Class 1 structures, except the following:

(1) Class 1 structures that will never be occupied or otherwise used in any part by the public and which will not normally be occupied or otherwise used in any part by a person who is acting as an employee of another, of the following types:

- (A) Oil derricks.
- (B) Pipelines, including related physical support structures.
- (C) Tanks for storage of products, other than flammable or combustible liquids or gases, which are factory fabricated and assembled.
- (D) Electrical power cable transmission towers and substations.
- (E) Structures used for communication purposes, except for satellite dishes exceeding ten (10) feet in diameter and antennas exceeding thirty (30) feet in length when mounted on the roof of a Class 1 structure.
- (F) Structures appurtenant to industrial plants, power generating plants, gas plants, bulk storage facilities, and shipping terminals where the functions of such structures are primarily the support of related equipment.
- (G) Structures of sewage, water, gas, and electric utilities.
- (H) Signs, except those mounted on the roof of a Class 1 structure, which exceed one hundred (100) square feet of surface area.

(2) Temporary structures.

(3) Class 1 structures either:

- (A) owned by the federal government; or
- (B) located on land over which exclusive jurisdiction has been ceded to the federal government. (See 40 U.S.C. 255 and IC 4-21.5.)

(4) One (1) story detached accessory Class 1 structures in Group B, F, R, S, U, or M Occupancy classifications that do not exceed five hundred (500) square feet and are used as equipment shelters, tool and storage sheds (not used for the storage or handling of hazardous materials), freezers or coolers, or other similar uses.

(5) One (1) story attached additions to Class 1 structures in Group B, F, R, S, U, or M Occupancy classifications that:

- (A) do not exceed three hundred (300) square feet;
- (B) do not impose an excessive structural load onto the existing structure; and
- (C) are used as equipment shelters, tool and storage sheds (not used for the storage or handling of hazardous materials), freezers, coolers, or other similar uses.

(6) One (1) story detached Class 1 structures that:

- (A) do not exceed five hundred (500) square feet in floor area;
  - (B) have at least one (1) unenclosed side; and
  - (C) are used for personnel shelters, such as bus stops, picnic shelters, and gazebos.
- (7) One (1) story detached Class 1 structures that:
- (A) do not exceed two hundred (200) square feet in floor area; and
  - (B) are used as guard houses or retail sales outlets, such as kiosks, drive-up facilities, and roadside fruit and vegetable stands.
- (8) Fences, except for those enclosing public swimming pools or liquified petroleum gas storage facilities.
- (9) Retaining or enclosure walls, except for those surrounding flammable or combustible liquids or gases storage facilities.
- (10) Installation or replacement of tanks and dispensing equipment for flammable and combustible liquids or gases if the scope of the work is limited to the following:
- (A) Liquid petroleum gas (LPG) storage facilities having a total capacity of not more than four thousand (4,000) gallons and no single tank having a capacity of more than two thousand (2,000) gallons measured as gallons of water.
  - (B) Storage tanks for Class I, II, IIIA, or IIIB liquids, having a capacity of six hundred sixty (660) gallons or less and that are portable and are for temporary use only.
- (11) Structures to be used primarily for the display of agricultural products and not used for assembly purposes where such structures are located within a political subdivision qualified under 675 IAC 12-10-9.
- (b) Design releases are necessary for the remodeling or altering of all Class 1 structures, except work limited to one (1) or more of the following:
- (1) Any of the buildings or structures the new construction of which is exempted by subsection (a).
  - (2) Plumbing work as follows:
    - (A) Replacement of piping, valves, or fixtures, provided that such replacement does not involve relocation of fixtures.
    - (B) Installation of plumbing fixtures, provided that the drainage fixture unit count does not exceed five (5).
    - (C) Replacement of water heaters with a similar type and capacity in the same location.
    - (D) Installation of water heaters with a capacity of one hundred (100) gallons or less.
  - (3) Electrical work as follows:
    - (A) Replacement in the same location of electrical equipment or devices of a similar type and rating, including an increase in current capacity in nonhazardous areas where there is no change in voltage or phases.
    - (B) Portable or temporary equipment and devices energized by means of cord and plug.
    - (C) Temporary installation of wiring and devices.
    - (D) Installation of branch circuits not exceeding the capacity of the electrical distribution system within the existing building.
    - (E) Low-energy power, control, and signal circuits of Classes II and III as defined in the Indiana Electrical Code except circuits for fire detection or fire alarm systems.
    - (F) Electrical wiring, apparatus, or equipment installed by a public or private utility in the exercise of its function as a serving utility for the generation, transmission, distribution, or metering of electrical energy, in the operation of signals, or the transmission of intelligence.
    - (G) Except for fire detection or fire alarm systems, electrical wiring, devices, appliances, apparatus, or equipment operating at less than twenty-five (25) volts and not capable of supplying more than fifty (50) watts of energy.
  - (4) Mechanical work as follows:
    - (A) Installation of any portable heating, ventilating, and air conditioning appliance or equipment.
    - (B) Replacement of mechanical appliances and equipment with a similar type and rating in the same location.
    - (C) Installation of a heating system having an output not in excess of four hundred thousand (400,000) British thermal units per hour, a cooling system having an output no greater than fifteen (15) tons (one hundred eighty thousand (180,000)) British thermal units per hour), or a combination of the two (2) having an air-handling capacity not in excess of nine thousand (9,000) cubic feet per minute.
    - (D) Installation of heating or cooling equipment to be used for commercial processing work or activities where comfort of personnel is not of primary concern.
  - (5) Miscellaneous work as follows:
    - (A) Painting, papering, and replacement of coverings on walls, ceilings, roofs, or floors and similar finish work,

including replacement or reglazing of glass.

(B) Cases, counters, and partitions not over six (6) feet in height.

(C) Penetrations of nonfire-rated exterior walls where the width of the opening does not exceed six (6) feet and is not for a required exit.

(D) Installation of one (1) or more nonload bearing partitions not to exceed a total of one hundred (100) lineal feet in length provided it is not part of a corridor or a partition that is required to be of fire-resistive construction.

(6) Fire sprinkler systems as follows:

(A) Fire sprinkler system additions and alterations described in this subdivision shall be permitted providing the scope of work performed does not exceed the limitations listed in either clause (D) or (E) or (F).

(B) All additions or alterations permitted by this subdivision shall be documented by the installer and kept on file with the maintenance and testing records required by 675 IAC 22.

(C) Replacement of components of existing wet fire sprinkler systems of light hazard or ordinary hazard classification as defined in 675 IAC 13, including:

(i) replacement of sprinkler heads;

(ii) replacement of equipment; or

(iii) replacement of piping to restore a system to its original condition and configuration.

(D) Alteration of existing light hazard or ordinary hazard fire sprinkler systems, including:

(i) relocating up to fifty (50) exposed or concealed sprinkler heads of a wet type system to accommodate new partitions or ceiling locations without increasing the design occupancy hazard or commodity classification;

(ii) conversion of a dry type system to a wet or antifreeze type system not exceeding ten (10) sprinkler heads; or

(iii) conversion of a wet or antifreeze type system not exceeding ten (10) sprinkler heads to a dry type system.

(E) The addition of sprinkler heads to an existing wet type fire sprinkler system of:

(i) twenty (20) or fewer sprinkler heads added to a light hazard system; or

(ii) ten (10) or fewer sprinkler heads added to an ordinary hazard system.

(F) Alterations allowed by clause (D) and additions allowed by clause (E) where the total number of sprinkler heads is fifty (50) or less for wet systems and ten (10) or less for dry systems including preaction systems.

(c) The design release requirements including filing of plans and specifications shall apply for any work otherwise exempted by subsection (b) when a part of, supplemental to, or an accessory of a construction project that otherwise requires a design release.

(d) Construction work on a Class 1 structure exempted from the design release requirements under this section is not exempt from compliance with other rules of the commission. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-4; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2689, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Oct 17, 1989, 11:05 a.m.: 13 IR 388; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; filed Sep 21, 1992, 9:00 a.m.: 16 IR 714; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2090; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1002; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-5 Application process for design release**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 5. An applicant for a design release shall:

(1) Submit one (1) Application for Construction Design Release form containing the information required by section 6 of this rule.

(2) Submit plans and specifications containing the items required by section 7 of this rule.

(3) Pay the fee provided for by section 8 of this rule and set in 675 IAC 12-3-2.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-6-5; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2690, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2092; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-6 Application for construction design release**

Authority: IC 22-13-2-13

Affected: IC 22-12-1-3; IC 22-15-3

Sec. 6. (a) The Application for Construction Design Release (ACDR) form shall be available from the office of the state building commissioner and may be available from building departments of local units of government.

(b) The application shall be filed by the owner or on the owner's behalf by the design professional for the project.

(c) The ACDR shall contain the following items:

(1) The name and address of the owner, and the name, address, and registration number of the design professional for the project, if there is one.

(2) Describe the land on which the proposed work is to be done by legal description, street address, or similar description that will readily identify and definitely locate the proposed building or work.

(3) Identify and describe the work for which the application for a design release is being made.

(4) Indicate the use or occupancy for which the proposed work is intended.

(5) State the total gross square feet of:

(A) all floors of any Class 1 structure;

(B) all floors of any addition to an existing Class 1 structure, and all floors of the existing portion of the Class 1 structure; and

(C) all floors of Class 1 structures that are undergoing remodeling or alteration (including both floors that are and are not undergoing remodeling or alteration).

(6) State whether or not the plans and specifications are being submitted under 675 IAC 12-8.

(7) State the estimated costs of all construction work included in the project for which application for design release is being made.

(8) Give such other reasonable data and information concerning compliance with the rules of the commission that the state building commissioner may require.

(9) Be signed by the owner or an authorized agent, who shall certify that the project will be constructed in compliance with all applicable rules of the commission and will not be changed (unless permitted under section 18 of this rule) from the design specified in the plans and specifications submitted with the application and released by the office of the state building commissioner. Any person purporting to be an agent of the owner may be required to submit written authorization of such fact.

(10) If a design professional is required by section 9 of this rule, the application shall include a certificate by the design professional sworn or affirmed under penalty of perjury stating:

(A) That the information required by subdivisions (1) through (8) is true and accurate.

(B) That the plans and specifications submitted for the application were prepared either by or under the immediate supervision of the person making the statement.

(C) That the plans and specifications submitted for the application provide for construction that will meet all building laws as that term is defined by IC 22-12-1-3, including all building rules of the commission.

(D) That the construction covered by the application will be subject to inspection at intervals appropriate to the stage of the construction by a design professional identified in the statement for the purpose of determining in general if work is proceeding in accordance with the released plans and specifications.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-6-6; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2691, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2092; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-7 Plans and specifications**

Authority: IC 22-13-2-13

Affected: IC 22-15-3; IC 25-4; IC 25-31

Sec. 7. (a) Plans and specifications filed with an application for a design release shall comply with this section.

(b) All plans and specifications and any supporting data filed shall be sufficiently clear and complete to show in detail that the proposed work will comply with the rules of the commission. They shall be in the English language and dimensions shall be in the English units of measurement (yards, feet, or inches).

(c) One (1) complete set of plans and specifications required by this section shall be filed for review and shall not be returned to the applicant.

(d) No additional copies of the plans and specifications filed with the application for design release may be filed; however, additional copies may be made by the applicant and utilized on the construction job site as required by section 19 of this rule and to meet requirements of local units of government.

(e) If a design professional is required by section 9 of this rule:

(1) the plans and specifications shall be prepared by a design professional who is competent to design the construction covered by the application and is registered under IC 25-4 or IC 25-31;

(2) each page of all drawings (plans) and the title page of all specifications shall include the legible signature and the seal of the design professional described in subdivision (1) or the person's technical or professional staff; and

(3) the plans and specifications shall be filed by the design professional described in subdivision (1) or the person's technical or professional staff.

(f) If a design professional is not required by section 9 of this rule, but the plans and specifications are nonetheless prepared and filed by a design professional, such filing shall not be required to comply with subsection (e) and section 6(c)(10) of this rule.

(g) If a design professional is not required by section 9 of this rule and the plans and specifications are not prepared and filed by a design professional, the owner shall sign and date all documents, on the first page of all drawings (plans) and the title page of all specifications.

(h) Plans and specifications filed under this section shall include all of the following as applicable:

(1) A site plan drawn to scale, showing dimensioned location of building property lines, and to all adjacent buildings on the property, as well as width of any street or easements bordering the property.

(2) Foundation and basement plans and details.

(3) Detailed dimensioned floor plans drawn to scale for all floors showing such items as wall configuration and fire rating, exitways, doors, windows, location of plumbing fixtures, chairlifts, elevators, and room designation.

(4) Fire and life safety plans showing graphically or by legend the location and rating of building elements, such as area separation walls, occupancy separation walls, smoke barriers, fire-rated corridor walls, stair enclosures, shaft enclosures, and horizontal exits.

(5) Wall elevations of all exterior walls.

(6) Sections and details of walls, floors, and roofs showing dimensions, materials, and heat transfer ratings.

(7) Structural plans and elevations showing size and location of all members, truss designs showing all connection details, and all stress calculations if specifically requested.

(8) Details indicating how required structural and fire-resistive integrity will be maintained where wall, floor, and ceiling penetrations will be made for electrical, mechanical, plumbing, and communication conduit, pipes, and similar systems.

(9) Room finish schedules showing finishes for walls, ceilings, and floors in all rooms, stairways, and corridors.

(10) Door schedules showing material, size, thickness, and fire resistance rating for all doors, frames, and hardware.

(11) Construction specifications, which for small projects may be on the plans.

(12) Electrical plans showing the electrical distribution system, service equipment, grounding methods, emergency and standby power systems, and any power or lighting information required for compliance with the Indiana Energy Conservation Code under 675 IAC 19.

(13) Plumbing plans showing fixture location, risers, drains, and piping isometrics.

(14) Mechanical plans showing location and size of ductwork, equipment, fire dampers, and smoke dampers, and equipment schedules showing capacity.

(15) Energy conservation details to include design criteria, exterior envelope component materials, U values of the envelope system, R values of insulating materials, size and type of equipment, and systems controls.

(16) Accessibility details to include access to buildings, ramps and walks with slope, dimensioned restroom plans and clearances, grab bars, door swing and size, and special seating accommodations.

(17) Plans for automatic fire-extinguishing systems showing automatic sprinkler piping size and spacing, standpipes, fire pumps, water supply data, rating of sprinkler heads, and other specific requirements contained in NFPA Standards 11, 12,

13, 13R, 14, 20, and 2001 as adopted in 675 IAC 13.

(18) Plans for fire detection and alarm systems showing location and type of detection activation devices (automatic or manual), control panels, annunciator panels and zones, water flow devices, and other specific requirements contained in NFPA Standard 72 as adopted in 675 IAC 22.

(19) Plans for public swimming pools showing area and volume, enclosure for pool area, turnover rate, filtration and circulation system, swimmer load, materials, shape and depth of pool, deck design, ladders, steps, drainage system, water supply system, and electrical system.

(20) Additional information as may be needed to substantiate claims that the proposed construction will comply with the rules of the commission.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-6-7; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2691, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Oct 17, 1989, 11:05 a.m.: 13 IR 390; filed Aug 10, 1994, 10:40 a.m.: 17 IR 2860; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2093; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1004; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-8 Fees**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 8. (a) An application for a design release shall be accompanied by payment of the appropriate plan review fee as set forth in 675 IAC 12-3.

(b) Additional special processing fees shall be paid as required by 675 IAC 12-3.

(c) The surcharge for late filing of plans and specifications shall apply when:

(1) construction is begun on a Class 1 structure where a design release is required before the design release has been issued by the office of the state building commissioner; and

(2) the construction jobsite has been inspected by any representative of the office of the state building commissioner.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-6-8; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2693, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2094; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-9 Design professionals**

Authority: IC 22-13-2-13; IC 22-15-3-3

Affected: IC 22-15-3

Sec. 9. (a) Design professionals are required for the construction of Class 1 structures where a design release is required, except any of the following:

(1) Class 1 structures with thirty thousand (30,000) or fewer cubic feet of space.

(2) Additions to Class 1 structures if the addition adds thirty thousand (30,000) or fewer cubic feet of space.

(3) Alteration to a Class 1 structure if the alteration does not involve changes affecting the structural safety of the Class 1 structure.

(4) Installation or alteration of an automatic fire sprinkler system in a Class 1 structure designed by persons as described in subsection (b).

(b) The design for the installation or alteration of an automatic fire sprinkler system shall be prepared by a qualified person with any of the following requirements:

(1) Has been registered as a design professional as defined in section 2(d) of this rule.

(2) Has been certified as a Level III or Level IV automatic sprinkler layout technician by the National Institute for Certification in Engineering Technologies.

(3) Has been certified by an agency substantially similar to that of subdivision (2) and approved by the fire prevention and building safety commission. Such certification shall include the following:

(A) Not less than five (5) years of experience laying out fire sprinkler systems.

(B) Having done independent engineering technician work with little or no supervision on jobs covered by standards

and complete plans, specifications, or instructions.

- (C) A demonstration of knowledge regarding the following topics:
- (i) The relationship between plans, specifications, and contracts.
  - (ii) Preparation of simple designs.
  - (iii) The basic application of NFPA Standards.
  - (iv) Basics of sprinkler systems.
  - (v) Basic materials and components.
  - (vi) Fundamentals of mathematics.
  - (vii) Fundamentals of physical science.
  - (viii) Construction plans.
  - (ix) Fire protection plans and symbols.
  - (x) Basics of system layout.
  - (xi) Classification of occupancies.
  - (xii) Water supply requirements.
  - (xiii) System connections.
  - (xiv) System piping configurations, schedules, and sizes.
  - (xv) Requirements of spacing.
  - (xvi) Sprinkler location and position.
  - (xvii) Pipe joining techniques and fittings.
  - (xviii) Pipe hangers and hanging.
  - (xix) Wet and dry systems.
  - (xx) Hydraulic calculations of systems.
  - (xxi) Underground piping.
  - (xxii) Special sprinklers, such as residential, quick response, and extended coverage sprinklers.
  - (xxiii) Water flow tests.
  - (xxiv) Fundamentals of hydraulics.
  - (xxv) Dwelling sprinklers.
  - (xxvi) Advanced hydraulic calculations.
  - (xxvii) Hydraulic design area.
- (D) A demonstration of knowledge regarding the following:
- (i) Any two (2) of the following three (3) topics:
    - (AA) Basic communication skills.
    - (BB) Basic metric units and conversions.
    - (CC) Basic principles of combustion.
  - (ii) Any three (3) of the following seven (7) topics:
    - (AA) Specifications and cost estimates.
    - (BB) Contracts.
    - (CC) Building codes.
    - (DD) Insurance authorities and their requirements.
    - (EE) Common material specifications.
    - (FF) System components and limitations.
    - (GG) Special piping materials.
  - (iii) Any ten (10) of the following thirteen (13) topics:
    - (AA) Exposure protection systems.
    - (BB) Selection of fire pumps.
    - (CC) Pump flow tests.
    - (DD) High piled storage.
    - (EE) Rack storage.
    - (FF) Sprinkler system maintenance.
    - (GG) Standpipe systems.

- (HH) Fire pumps and systems.
- (II) Storage tanks.
- (JJ) Alarms and system supervision.
- (KK) Fundamentals of fire extinguishment.
- (LL) Seismic bracing.
- (MM) Surveys for fire protection.
- (iv) Any six (6) of the following eleven (11) topics:
  - (AA) Project scheduling and coordination.
  - (BB) Bid invitation package and bid proposal.
  - (CC) Contractual requirements and interpretations.
  - (DD) Shop and erection drawings.
  - (EE) System acceptance tests.
  - (FF) Antifreeze systems.
  - (GG) Water cooling towers.
  - (HH) Aircraft hangars.
  - (II) Internal and external corrosion.
  - (JJ) Meters and backflow protection.
  - (KK) Land surveying.
- (v) Any three (3) of the following ten (10) topics:
  - (AA) Multipurpose piping.
  - (BB) Water spray systems.
  - (CC) Foam systems.
  - (DD) Halon systems.
  - (EE) Carbon dioxide systems.
  - (FF) Alarm and supervisory systems.
  - (GG) Dry chemical systems.
  - (HH) Foam-water systems.
  - (II) Sprinklers and valves.
  - (JJ) Large drop sprinkler systems.

A copy of the qualified person's certification or registration pocket card shall be submitted with the application for construction design release.

(c) The requirements for design professionals apply to all types of design releases provided for in this rule. If a construction project originally required a design professional, then a design professional is required for all partial design releases and addenda and revision design releases for that project. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-9; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2693, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jul 2, 1993, 3:30 p.m.: 16 IR 2554; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2094; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1005; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-10 Predesign conferences**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 10. An applicant may request in writing consultation with representatives of the offices of the state building commissioner and the state fire marshal for the purpose of resolving questions on the application of the rules of the commission to a specific project. The results of any such consultations shall not be binding on said offices in the consideration of an application for a design release and in no way shall serve as a substitute for the authority of the commission to grant or deny variances under 675 IAC 12-5. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-10; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2693, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1006; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-11 Alternative materials, methods, and design**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 11. (a) This section does not authorize a variance from any rule adopted by the commission.

(b) The rules adopted by the commission do not prevent the use of:

- (1) materials;
- (2) methods of construction; or
- (3) design procedures;

if they are not specifically prohibited in the rules and if they are approved under subsection (c) or (e).

(c) The state fire marshal and the state building commissioner may, in the review of an application for a design release, consider as evidence of compliance with the rules adopted by the commission any evaluation report that:

- (1) contains limitations, conditions, or standards for alternative materials, method of construction, or design procedures; and
- (2) is:

- (A) published by an independent, nationally recognized testing laboratory; or
- (B) other organization listed in subsection (d).

(d) The following laboratories or organizations, with their applicable evaluation reports, are approved:

- (1) Factory Mutual Loss Prevention Data Sheets, and test reports (FM).
- (2) International Organization for Standardization (ISO) (ISO standards listed by the American National Standards Institute).
- (3) International Electrotechnical Commission (IEC), (IEC standards listed by the American National Standards Institute).
- (4) Japan Industrial Standards (JIS) (which are found to be equivalent to ANSI standards).
- (5) German Institute for Standards (Deutsches Institut für Normung) (DIN) (standards which are found to be equivalent to ANSI standards).
- (6) French Standards Association (AFNOR) (standards which are found to be equivalent to ANSI standards).
- (7) Canadian Standards Association (CSA) (which are found to be equivalent to ANSI standards).
- (8) BOCA Evaluation Services, Inc., Building Officials and Code Administrators International (BOCA) (research reports).
- (9) Council of American Building Officials (CABO) (National Evaluation Services (NES) evaluation reports).
- (10) ICBO Evaluation Services Inc. International Conference of Building Officials (ICBO) (ICBO Evaluation Service Inc. evaluation reports).
- (11) SBCCI Public Safety Testing and Evaluation Services, Inc., Southern Building Code Congress International (SBCCI) (compliance reports).
- (12) International Association of Plumbing and Mechanical Officials (IAPMO) (Directory of Research Recommendations).

(e) The state building commissioner may, in the review of an application for a design release, accept as evidence of compliance with provisions of the Indiana building code under 675 IAC 13, similar provisions of the ADA Accessibility Guidelines for Buildings and Facilities included as Appendix A, Standards for Accessible Design, Part 36 Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities (28 CFR 36) as published in 56 FR 144 on July 26, 1991, on pages 35544 through 35691. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-11; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2693, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Oct 17, 1989, 11:05 a.m.: 13 IR 391; filed Sep 21, 1992, 9:00 a.m.: 16 IR 715; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2095; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-6-12 Consideration of applications for design releases**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-15-3

Sec. 12. (a) The office of the state building commissioner shall consider applications for design releases and plans and specifications filed under this rule in conjunction with the office of the state fire marshal. No design release shall be issued unless:

- (1) section 5 of this rule has been complied with by the applicant;
- (2) the plans and specifications submitted with the application have been reviewed by the office of the state building commissioner for compliance with the rules of the commission; and

(3) the plans and specifications submitted with the application have been presented to the office of the state fire marshal and approved in writing by the office of the state fire marshal.

(b) Subsequent to the filing of an application the applicant may be requested to submit additional information or documents to place the application in compliance with section 5 of this rule or to modify the plans and specifications in order to place them in compliance with the rules of the commission. If the applicant has not done so within thirty (30) days following the date of request, the design release shall be subject to denial by the state building commissioner.

(c) The order granting or denying the design release shall be issued by the office of the state building commissioner following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

(d) Prior to the issuance of an order by the office of the state building commissioner under subsection (c), a meeting between the executive director of the department, the state building commissioner, and the state fire marshal may be called by the executive director of the department:

(1) upon request of the state building commissioner or the state fire marshal, if the state building commissioner and the state fire marshal cannot agree on the issuance of a design release; or

(2) upon request of the applicant for the design release, if the office of the state building commissioner and the office of the state fire marshal have not acted to issue or deny the design release within a reasonable time after the application is submitted to the office.

(e) At a meeting called under subsection (d), the executive director of the department, the state building commissioner, and the state fire marshal shall review the application for a design release and shall, by majority vote, issue a final decision. Said order shall be issued following the requirements of IC 4-21.5-3-4 and shall eliminate the need for an order to be issued under subsection (c). If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-12; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2694, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2097; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-6-13 Denial and subsequent application**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-7; IC 22-15-3

Sec. 13. (a) Subsequent to the denial of a design release under section 12(c) and 12(e) of this rule, any further consideration of a design release may only be done under a new application for design release under section 5 of this rule, including a new application, plans and specifications, and paying of appropriate fees.

(b) After denial of a design release (at the expiration of the time period for filing a petition for review under IC 4-21.5-3-7 or after resolution of a petition for review, whichever date is later), all plans and specifications previously filed will be subject to being destroyed without notice to the applicant, but may be returned to the applicant upon a timely request. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-13; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2695, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2098; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-6-14 Foundation releases**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 14. (a) A foundation release may be issued by the office of the state building commissioner, with the approval of the office of the state fire marshal, upon the request of an applicant for a design release to allow for construction work to the extent stated in subsection (c) to be undertaken prior to plan review and consideration of the issuance of a design release if:

(1) the documents and fees required under section 5 of this rule have been submitted;

(2) the applicant submits an application on a form provided by the office of the state building commissioner stating the name and address of the construction project and agreeing to comply with the provisions of subsections (c) and (e); and

(3) the applicant pays the fee for a foundation release set by 675 IAC 12-3.

(b) A foundation release may not be issued for a construction project unless requested at the time of the filing of the documents and payment of the fees required by section 5 of this rule.

(c) A foundation release shall allow work to grade level only which may include slab on grade and underground mechanical, electrical, and plumbing work, but does not allow work on more than one (1) floor below grade level. As an exception, any continuous structural member, such as a pole, may extend from its footing below grade to its intended height above grade.

(d) Any corrective work found to be necessary as a result of the project plan review conducted subsequent to the issuance of the foundation release shall be done at the applicant's expense.

(e) The issuance of a foundation release upon receipt of the documents and fees required by section 5 of this rule does not limit the ability of the office of the state building commissioner to require additional information or fees required by this rule if subsequent plan review shows that such is necessary.

(f) Any construction work beyond foundation or grade level done under a foundation release shall be prohibited until an appropriate design release is issued.

(g) Requests for foundation releases shall be subject to the provisions of section 12 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-14; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2695, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Sep 21, 1992, 9:00 a.m.: 16 IR 717; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-6-15 Partial design releases**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 15. (a) A partial design release may be issued by the office of the state building commissioner with the approval of the office of the state fire marshal.

(b) Applicants for design releases may request partial design releases in order to facilitate project designing, bidding, and construction or for other valid reasons. Requests for partial design releases shall be filed with all of the documents and fees required under section 5 of this rule (675 IAC 12-6-5) except to the extent the plans and specifications outside the scope of the partial design release request need not be filed.

(c) Requests for partial design releases shall be submitted on a form provided by the state building commissioner with the following information:

(1) The name and address of the construction project.

(2) The state building commissioner's project number.

(3) The scope of the work involved in the desired partial design release.

(4) Such other reasonable data and information concerning compliance with the rules of the commission that the state building commissioner requires.

(d) The document required by subsection (c) of this section shall be signed by the owner and design professional if one is required for the construction project.

(e) Each separate part of plans and specifications filed for partial design releases (foundation, structure, plumbing, electrical, fire protection systems, etc.) shall be submitted in sufficient detail to assure that its proposed portion complies with the rules of the commission.

(f) Any construction beyond the scope of a partial design release shall be prohibited until an appropriate design release is issued for the further construction work.

(g) Requests for partial design releases shall be subject to the provisions of section 12 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-15; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2696, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1006; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-6-16 Master plan design release**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-15-3

Sec. 16. (a) Master plan design releases may be issued by the office of the state building commissioner with the approval of the office of the state fire marshal.

(b) As used in this section, "master plan" means a set of plans and specifications for Class 1 structures the scope of which includes only the structural framing and shell enclosures and does not include any mechanical, plumbing, electrical, energy conservation, and accessibility systems or components.

(c) The purpose of a master plan design release is to simplify the use of the same design for more than one (1) Class 1 structure by eliminating repetitive filing and review of plans and specifications within the scope of a master plan.

(d) To apply for a master plan design release the applicant shall submit to the office of the state building commissioner:

(1) An application for construction design release as provided for by section 6 of this rule.

(2) The fee set for master plan filing in 675 IAC 12-3-4.

(3) Plans and specifications as provided for by section 7 of this rule, except that plans and specifications normally required by section 7 [of this rule] but outside the scope of the desired master plan design need not be filed.

(e) The issuance of a master plan design release does not authorize any specific construction project and therefore does not eliminate the requirement for a separate design release applied for under section 5 of this rule. All applications for design releases that utilize a master plan design shall reference the master plan design release number assigned by the office of the state building commissioner.

(f) Requests for master plan design releases shall be subject to the provisions of section 12 of this rule.

(g) A master plan design release shall expire when the state building commissioner:

(1) determines that because of changes in the Indiana Building Code the plans and specifications may no longer comply with the rules of the commission; and

(2) issues an order following the requirements of IC 4-21.5-3-6.

(h) If a petition for review of the state building commissioner's order under subsection (g) of this section is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-16; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2696, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2098; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1007; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 12-6-17 Conditional design releases**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 17. In order to facilitate the issuance of design releases when the plan review process finds minor omissions or minor items contrary to the rules of the commission, conditional design releases may be issued without the need for further or corrected plans and specifications being filed. Conditional design releases may be issued for all types of design releases except foundation releases. Such conditions shall be binding unless a petition for review is filed under 675 IAC 12-6-12. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-17; filed Jul 17, 1987, 2:30 pm: 10 IR 2697, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 12-6-18 Addenda or revised design releases**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 18. (a) No design changes or additions to the scope of work shall be made on a construction project subsequent to the issuance of an applicable design release unless an addenda or revised design release is issued by the office of the state building commissioner with the approval of the office of the state fire marshal.

(b) Such design changes shall not include increases in project height or area.

(c) An applicant for an addenda or revised design release shall submit the following to the office of the state building commissioner:

(1) On a form provided by the state building commissioner, which shall be signed by the owner and design professional, if one is required for the construction project, the following information:

- (A) The name and address of the construction project.
- (B) The state building commissioner's project number.
- (C) The scope of the work involved in the design changes or additions.
- (D) By page or sheet number, the portions of the original plans and specifications being changed.
- (E) Such other reasonable data and information concerning compliance with the rules of the commission that the state building commissioner may require.

(2) One (1) copy of all changed plans and specifications.

(3) The fee established in 675 IAC 12-3.

(d) Requests for addenda or revised design releases shall be subject to the provisions of section 12 of this rule.

(e) Subsequent to the issuance of an addenda or revised design release, the original design release remains in effect as modified by the addenda or revision design release. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-18; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2697, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2098; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1007; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-19 A copy of the design release; posting; maintenance of plans and specifications**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 19. (a) A copy of the design release shall be posted by the applicant in a conspicuous place on the premises, protected from the weather and located in such a position so it can be conveniently seen by inspectors.

(b) A complete set of plans and specifications that conform exactly to the design that was released by the office of the state building commissioner shall be maintained on the construction job site.

(c) A copy of the design release shall remain posted, and plans and specifications maintained, on the construction job site until occupancy of the Class 1 structure. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-19; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2697, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1008; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-6-20 Expiration of design releases**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-15-3

Sec. 20. (a) All design releases (except master plan releases) expire if the construction work on all buildings within the scope of the design release is not commenced within one (1) year of the date of such release. However, an owner holding a design release who is unable to commence construction work within one (1) year of the issuance of the design release for good and satisfactory reasons may apply for an extension of time within which he or she may commence work under that design release. The office of the state building commissioner may extend the design release one (1) time for a period not exceeding one hundred eighty (180) days if:

- (1) no changes have been made in the plans and specifications filed with the original application for a design release;
- (2) no changes to the rules of the commission applicable to the scope of the design release have been made;
- (3) the extension is requested in writing by the applicant verifying subsection (a)(1); and
- (4) the release extension fee established by 675 IAC 12-3 has been paid.

(b) If the construction work authorized by a design release is suspended or abandoned at any time after construction work is commenced for a period of one hundred eighty (180) days, such construction work may be recommenced only after the issuance of a design release reinstatement by the office of the state building commissioner. Such reinstatement may be issued by the state building commissioner if:

- (1) the construction work has been suspended or abandoned for more than one hundred eighty (180) days but less than one

- (1) year;
- (2) no changes have been made in the plans and specifications filed with the original application for a design release;
- (3) no changes to the rules of the commission applicable to the scope of the design release have been made;
- (4) the reinstatement is requested in writing by the applicant verifying subsection (b)(1) and (b)(2); and
- (5) the release reinstatement fee established by 675 IAC 12-3 has been paid.

(c) The order granting or denying a reinstatement or extension shall be issued by the office of the state building commissioner following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-20; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2697, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2099; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 12-6-21 Compliance with rules**

Authority: IC 22-13-2-13  
Affected: IC 22-15-3

Sec. 21. The issuance of a design release does not relieve the owner from compliance with all applicable rules of the Commission even if items contrary to the rules of the Commission are shown in plans and specifications that have been filed with the office of the state building commissioner. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-21; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 12-6-22 Requirements of other laws**

Authority: IC 22-13-2-13  
Affected: IC 22-15-3

Sec. 22. The issuance of a design release in no way relieves the applicant from the requirements of any law including statute, rules, regulations or ordinances of the federal government, the state government and local units of government. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-22; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 12-6-23 Design release revocations**

Authority: IC 22-13-2-13  
Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12-7-7; IC 22-15-3

Sec. 23. (a) Under IC 22-12-7-7, the state building commissioner may impose a sanction concerning any type of design release previously issued. Available sanctions are:

- (1) revocation;
  - (2) suspension;
  - (3) censure;
  - (4) reprimand; and
  - (5) probation.
- (b) The state building commissioner may impose an appropriate sanction whenever one (1) or more of the following exist:
- (1) If a determination is made that the design release was obtained by fraudulent or misleading statements or information, including plans and specifications.
  - (2) Circumstances have materially changed since a design release was granted so that if the sanction is not imposed, public health, safety, or welfare will be adversely affected.
  - (3) The construction done subsequent to the issuance of the design release is contrary to the rules of the commission.
  - (4) A check paying an applicable fee is returned.

(5) The design release was issued in error, on the basis of incorrect information, or in violation of a rule of the commission or a building law.

(c) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-23; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2100; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

## **Rule 7. Local Plan Review**

### **675 IAC 12-7-1 Purpose and scope**

Authority: IC 22-13-2-13

Affected: IC 22-15-3-1

Sec. 1. (a) The purpose of this rule is to establish administrative procedures for the review of plans and specifications by certified cities, towns or counties under IC 22-15-3-1(e), and thereby reduce the time needed by the office of the state building commissioner to issue a design release under 675 IAC 12-6.

(b) This rule pertains to the review of plans and specifications for Class 1 structures by a city, town, or county prior to the granting or denying of a design release by the office of the state building commissioner under IC 22-15-3 and 675 IAC 12-6.

(c) This rule does not apply to, or permit, plan review by a city, town, or county for industrialized building systems, automatic fire extinguishing or standpipe systems, regulated lifting devices, and boilers and pressure vessels. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-1; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1787; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2100; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 12-7-2 Certification; application**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-13-2-3; IC 22-15-3-1

Sec. 2. (a) A city, town, or county that has in its employ a person qualified under this rule whose duties include the review of construction plans and specifications for conformance with applicable rules of the commission, may apply for certification under IC 22-15-3-1(e).

(b) Application may be made in letter form by the executive officer(s) of a city, town, or county. An application shall include the following:

(1) The name and title of each qualified plan reviewer.

(2) Documents that show that each plan reviewer has successfully passed the competency test designated in this rule.

(3) A signature card completed by each qualified plan reviewer.

(4) A statement by the applicant that prompt notification shall be given to the office of the state building commissioner upon the termination of employment or assignment to other duties of any qualified plan reviewer.

(5) A statement that the city, town, or county has adopted the rules of the commission under IC 22-13-2-3.

(c) The state building commissioner shall, upon receipt of an application under this section, determine if the applicant city, town, or county is competent to perform plan review for Class 1 structures. The order granting or denying the certification shall be issued following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-2; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1787; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2100; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 12-7-3 Certification; sanctions**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12-7-7; IC 22-15-3-1

Sec. 3. (a) Under IC 22-12-7-7, the state building commissioner may impose a sanction concerning any certification of a city, town, or county. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(b) The state building commissioner may impose an appropriate sanction whenever one (1) or more of the following exist:

(1) It is determined that substantial and frequent failure to detect and report errors or omissions in plans and specifications that could result in noncompliance with applicable rules of the commission.

(2) Failure to comply with the procedural requirements of this rule.

(3) Failure to retain in employment at least one (1) qualified plan reviewer assigned to plan review duties.

(c) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-3; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1788; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2101; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-7-4 Competency testing; written examinations**

Authority: IC 22-13-2-13

Affected: IC 22-15-3-1

Sec. 4. (a) A written test shall be administered to determine if a person is a qualified plan reviewer for the purposes of this rule. The test shall be administered by the division of education and information of the fire and building services department. The test shall be in two (2) parts:

(1) the plans examiner test prepared by the International Conference of Building Officials (ICBO); and

(2) the state plan review test prepared by the office of the state building commissioner.

(b) The test shall be administered not less than two (2) times each year at the department offices in Indianapolis, Indiana.

(c) The test shall be based on:

(1) the editions of the Uniform Building Code, Uniform Building Code Standards, Uniform Fire Code and Uniform Fire Code Standards adopted by reference in 675 IAC 13, and 675 IAC 22;

(2) those portions of the Indiana building code that are substantially different than the Uniform Building Code, and those portions of 675 IAC 22 that are substantially different than the Uniform Fire Code;

(3) the commission's rules covering design releases in 675 IAC 12-6; and

(4) the commission's rules found in 675 IAC 12-4.

(d) A person may make application to take the written test on forms provided by the division.

(e) The passing score for each part of the test is seventy-five (75).

(f) The office of the state building commissioner shall revise the state plan review portion of the test as necessary to be consistent with the Indiana building code, the Indiana fire prevention code, and other commission rules in effect. Any revised test shall be submitted to the commission for approval. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-4; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1788; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2101; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-7-5 Local plan review; procedures; seals**

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 5. (a) A city, town or county certified to perform plan review of Class 1 structures shall adhere to the following procedures:

(1) Plans and specifications shall be checked for compliance with 675 IAC 12-6, Design Releases.

(2) A report of errors and omissions shall be prepared for each construction project covered by submitted plans and specifications.

(3) The report of errors and omissions shall include a citation reference to the exact section of a rule of the commission for each error or omission noted by the plan reviewer.

(4) Upon preparation, the report of errors and omissions shall be mailed directly to the office of the state building commissioner on the same working day. A copy may be furnished to the applicant for the design release.

(5) The local qualified plan reviewer shall stamp each set of submitted plans and specifications with a seal provided by the

office of the state building commissioner.

(6) The plan reviewer will affix his or her signature over the seal to identify those sets to be subsequently submitted to the office of the state building commissioner in accordance with 675 IAC 12-6.

(7) The stamped set of plans and specifications shall be returned to the applicant with an instruction to submit them, with a completed application for construction design release, to the office of the state building commissioner in accordance with 675 IAC 12-6.

(b) The seal provided by the office of the state building commissioner shall remain the property of the office of the state building commissioner.

(c) The certified city, town or county may obtain a supply of application for construction document release forms from the office of the state building commissioner for the convenience of plan review applicants. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-5; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1788; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2101; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

## **Rule 8. Indiana Building Rehabilitation Standard**

### **675 IAC 12-8-1 Definitions**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. The following definitions apply throughout this rule:

(1) "Building code" means the Indiana building code under 675 IAC 13-2.1 [*675 IAC 13-2.1 was repealed filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126, eff Jan 3, 1993. See 675 IAC 13-2.3.*].

(2) "Existing building" means a building or structure that has been issued a certificate of occupancy or has been legally occupied.

(3) "Historic building" means any structure that is important to the general, archaeological, agricultural, economic, social, political, architectural, industrial, or cultural history of the United States or Indiana.

(4) "Protected opening" means an opening in a fire-resistive area or occupancy separation wall meeting the requirements of the Indiana building code.

(5) "Rehabilitation" means returning or upgrading a building or structure to a state of utility through additions, alterations, or repairs.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-8-1; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1275, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 442; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2102; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 12-8-2 Purpose**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. This rule shall maintain or increase public safety, health, and general welfare in existing buildings by permitting rehabilitation, change of use, occupancy, or location without requiring full compliance to the criteria for new construction unless otherwise specified in this rule. This rule also provides a means to evaluate the adequacy of fire and life safety systems in an existing building. (*Fire Prevention and Building Safety Commission; 675 IAC 12-8-2; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1275, eff Mar 1, 1988; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1008; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 12-8-3 Application and scope**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. (a) This rule applies to existing buildings when specifically requested by the building owner or owner's agent at the time of an application for design release under 675 IAC 12-6. Upon receipt of such a request, the offices of the state building commissioner and the state fire marshal shall have the plans for rehabilitation reviewed against the requirements of this rule to

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determine whether or not the existing building with proposed work incorporated is in compliance. The office of the state building commissioner may require an on-site inspection by a department employee to assist in the determination. If compliance with this rule has been achieved, a design release for that rehabilitation shall be issued. Full compliance with all the rules of the commission shall be required for all construction work done in the rehabilitation. The minimum number of exits required by the building code shall be provided before this rule may be used.

(b) This rule may be applied to existing buildings that will continue to be, or are proposed to be, building types 1 through 11 of Table 3, as follows:

- (1) If an existing building is to be changed in use, occupancy, or location, this rule regarding that new use, occupancy, or location shall apply.
- (2) If a portion of an existing building is to be changed in use, occupancy, or location, this rule regarding that new use, occupancy, or location shall apply to the entire building.
- (3) Additions to existing buildings shall comply with the rules for new construction. The combined height or area of any existing building with its additions shall not exceed the values prescribed in the building code.
- (4) An existing building or portion thereof shall not be altered or repaired so as to make it less safe than it was before such alteration or repair.
- (5) When there is a change of use, only those elements of the existing building proposed for alteration of, or addition to, must conform to the accessibility requirements for new construction. Exceptions shall be as follows:
  - (A) Type 9 buildings (see Table 3) less than four (4) stories on floors or levels where accessibility is not existing.
  - (B) Type 6 and Type 7 buildings less than four (4) stories on floors or levels, other than grade, where accessibility is not existing.
  - (C) Type 10 and Type 11 buildings on floors or levels, other than grade, where accessibility is not existing.
- (6) Where a conflict between provisions of this rule occurs, those provisions that secure the greatest public safety shall apply.

INTENDED USE OF EXISTING BUILDINGS

TABLE 3

Building Types	Description
1	Theaters
2	Nightclubs, dance halls, and similar uses that serve over fifty (50) persons
3	Lecture halls, auditoriums, terminals, recreation centers, and restaurants other than nightclubs that serve over fifty (50) persons
4	Churches and other religious facilities, including "Sunday schools", but excluding
5	School buildings
6	Office buildings, other buildings where income is based upon service provided, and assembly areas for less than fifty (50) persons
7	Factories and industrial buildings other than those involving flammable, combustible, or explosive products or materials
8	Wholesale and retail stores, other than buildings where income is based upon goods provided
9	Hotels, motels, apartments, condominiums, barracks, dormitories, bed and breakfast establishments, and attached one (1) and two (2) family dwellings
10	Moderate hazard storage, automotive and aircraft storage and repair
11	Low hazard storage, including automotive and aircraft storage without repair

(7) For institutional occupancies, Appendix A of National Fire Protection Association Standard Number 101 1998 shall be recognized as an alternative means of evaluation for conversion to and for existing buildings of Group I occupancy.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-3; filed Dec 3, 1987, 2:22 p.m.: 11 IR 1275, eff Mar 1, 1988; filed Apr 26, 1988, 2:45 p.m.: 11 IR 3042; filed Oct 19, 1990, 2:38 p.m.: 14 IR 443; errata, 14 IR 761; errata filed Dec 12, 1990, 1:45 p.m.: 14 IR 1070; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2236; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2102; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1008; errata filed Jan 31, 2001, 9:22 a.m.: 24 IR 1670; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-4 Implementation**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. (a) For any proposed work to be governed by this rule, the owner or owner's agent shall cause the existing building to be investigated and evaluated in accordance with this rule.

(b) The owner or owner's agent shall have a structural evaluation of the existing building made to determine the adequacy of all structural systems for the proposed alterations, addition, change of use, occupancy, or location. The results of this investigation and evaluation, along with any proposed compliance alternatives, shall be submitted to the office of the state building commissioner under the seal and signature of an architect or engineer licensed to practice in Indiana. Work shall not commence unless the existing building meets or can be made to sustain the design loads for new construction.

(c) The owner or owner's agent shall have an evaluation of the existing building made regarding the fire safety of the building. In conducting this evaluation, the worst case condition shall be used to establish values for tabulation. This investigation and evaluation shall be divided into the following three (3) categories as represented by the three (3) columns on the building score sheet in section 23 of this rule:

(1) Fire safety includes structural fire-resistance, detection, alarm, and extinguishing features of the building.

(2) Means of egress includes the configuration, characteristics, and support features for the means of egress.

(3) General safety includes the fire safety and means of egress parameters.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-4; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1276, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 444; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2103; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-5 Fire safety tabulation**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. A building score sheet conforming to section 23 of this rule shall be used for tabulation of existing building values for each building, or portion thereof, to be considered for rehabilitation, change of use, occupancy, or location. The completed building score (sheet) of the existing building, along with plans and specifications for any proposed compliance alternatives, shall be submitted to the office of the state building commissioner under the seal and signature of an architect or engineer licensed to practice in Indiana. Elements of the building shall be scored in accordance with this section and sections 6 through 22 of this rule.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-5; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1277, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2103; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-6 Height and area**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. (a) Determine the height of the existing building in both feet and number of stories, including proposed additions, and compare that height with the maximum allowable height under the rules for new construction.

(b) Determine the floor area of the existing building, including proposed additions and compare the area with the maximum allowable floor area under the rules for new construction. When an area separation wall conforming to the requirements of the building code is provided between the existing building and any addition, that addition shall be considered a separate building.

(c) Using subsections (a) through (b), categorize the existing building, then use the following procedure to determine the value to be entered on the building score sheet under fire safety, means of egress, and general safety:

CATEGORY

VALUES\*

- a If both height and area exceed the maximum allowable limits of the building code, multiply -2 by the construction type factor found in Table 11-B in section 11(b) of this rule
- b If either height or area, but not both, exceed the maximum allowable limits of the building code, multiply -1 by the construction type factor found in Table 11-B in section 11(b) of this rule

c If both height and area conform to the requirements of the building code, the value is zero (0)

\*Round the value off to the closest whole number. (*Fire Prevention and Building Safety Commission; 675 IAC 12-8-6; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1277, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 444; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2104; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-8-7 Automatic fire extinguishing systems**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. (a) Determine the existence and extent, and evaluate the capacity of, sprinkler systems in the existing building, including proposed additions, alterations, and corrections to those systems. Use the categories in subsection (b) and Table 7 to obtain the fire extinguishing systems value, and enter that value on the building score sheet under fire safety, means of egress, and general safety.

(b) Fire extinguishing systems categories shall be as follows:

(1) Category a. Systems not provided when the building code would require them.

(2) Category b. None, when the building code would not require them and partial systems provided in accordance with the building code.

(3) Category c. Buildings protected with an automatic fire extinguishing system designed and installed according to the standards listed in the building code for new construction, for the use, type of construction, and occupancy proposed. Exception: Water supply requirements for the standpipes or hose stream need not be included in the calculations when a fire department connection is provided.

(4) Category d. Partial sprinkler systems not otherwise required by the building code may be given partial credit by the fire prevention and building safety commission.

FIRE EXTINGUISHING SYSTEMS VALUES  
TABLE 7

Building Type (Renovation)	Categories		
	a	b	c
1	-15	0	21
2	-20	0	17
3	-15	0	21
4	-10	0	30
5	-10	0	30
6	-10	0	36
7	-15	0	29
8	-15	0	28
9	-15	0	28
10	-15	0	35
11	-10	0	35

(*Fire Prevention and Building Safety Commission; 675 IAC 12-8-7; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1277, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 444; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2104; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-8-8 Fire area**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 8. (a) Calculate the total net square footage of the largest area within the existing building that is separated from the remainder of the building by not less than two-hour fire-resistive construction, as specified in the building code. Use Table 8 and the categories listed in subsection (b) to determine the compartment area value for the existing building and enter that value on the

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building score sheet under fire safety, means of egress, and general safety.

- (b) Fire area categories shall be as follows:
- (1) Greater than fifteen thousand (15,000) square feet.
  - (2) Ten thousand one (10,001) to fifteen thousand (15,000) square feet.
  - (3) Seven thousand five hundred one (7,501) to ten thousand (10,000) square feet.
  - (4) Seven thousand five hundred (7,500) square feet or less.

FIRE AREA VALUES  
TABLE 8

Building Type	Categories			
	a	b	c	d
1	-8	-2	2	3
2	-12	-6	-2	-1
3	-8	-2	2	3
4	-6	-1	4	5
5	-6	-1	4	5
6	-6	-1	4	5
7	-4	0	6	8
8	-4	0	6	8
9	-4	0	6	8
10	-4	0	6	8
11	-6	1	4	5

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-8; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1278, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2104; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-9 Space division**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 9. Evaluate the subdivision of a fire area by walls and partitions exclusive of those described in 675 IAC 12-8-8 and 675 IAC 12-8-10 using the categories listed below and Table 9 then enter that value on the building score sheet under fire safety, means of egress and general safety.

Space division categories:

- (a) No partitions, or partial partitions.
- (b) Fixed partitions to ceilings, with self-closing or automatic-closing doors.
- (c) Floor to deck partitions, without self-closing or automatic-closing doors.
- (d) Floor to deck partitions, with self-closing or automatic-closing doors.

SPACE DIVISION VALUES  
TABLE 9

BUILDING TYPE	CATEGORIES TYPE			
	a	b	c	d
1	0	0	0	0
2	-6	-4	-1	0
3	0	1	4	6
4	0	1	4	6
5	0	1	4	6
6	0	1	4	6
7	0	1	4	6

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8	0	1	4	6
9	0	1	4	6
10	0	1	4	6
11	1	4	6	8

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-9; filed Dec 2, 1987, 2:22 pm: 11 IR 1278, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-10 Corridor walls/partitions**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 10. (a) Evaluate the corridor walls and partitions based upon their fire-resistance and completeness. Using the categories listed in subsection (b) and Table 10, obtain the corridor walls/partition value, then enter that value on the building score sheet under fire safety, means of egress, and general safety.

(b) Corridor wall/partition categories shall be as follows:

- (1) No partitions, incomplete partitions, no doors, or doors not self-closing.
- (2) Less than one-hour fire-resistive or not floor to deck.
- (3) One-hour to less than two-hour fire-resistive, in accordance with the building code (to include exceptions).
- (4) Walls or partitions with a fire-resistive rating of two (2) hours or more, with protected openings.

CORRIDOR PARTITION/WALL VALUES  
TABLE 10

Building Type	Categories			
	a	b	c	d
1	-10	-4	0	2
2	-30	-12	0	2
3	-7	-3	0	2
4	-5	-2	0	5
5	-5	-2	0	5
6	-5	-2	0	5
7	-7	-3	0	2
8	-7	-3	0	2
9	-7	-3	0	2

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-10; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1279, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2105; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-11 Vertical openings**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. (a) Use the formula in subsection (b), Table 11-A and Table 11-B to determine the vertical opening value, then enter it on the building score sheet under fire safety, means of egress, and general safety. Unenclosed vertical openings conforming to the building code shall not be considered in the evaluation of vertical openings.

(b) The vertical opening formula shall be as follows:

- (1) \*VO = PV × CF.
- (2) VO = vertical opening value.
- (3) PV = protection value from Table 11-A.

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(4) CF = construction type factor from Table 11-B.

\*Round the value off to the closest whole number.

VERTICAL OPENING PROTECTION VALUES  
TABLE 11-A

Protection	Value
None (unprotected opening)	-10
Less than one-hour	-5
One to less than two-hour*	1
Two-hour or more	2

CONSTRUCTION TYPE FACTOR  
TABLE 11-B

Type of Construction*	I		II		III		IV		V	
	F.R.	F.R.	One-Hour	N	One-Hour	N	H.T.	One-Hour	N	
FACTOR	1	1.2	2.2	3.5	2.5	3.5	2.3	3.3	7	

\*As defined in the building code.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-11; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1279, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 445; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2105; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-12 Heating, ventilating and air-conditioning (HVAC) systems**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 12. Determine the number of floors served by an individual HVAC system, then use the categories listed below and Table 12 to obtain the HVAC system value, then record that value on the building score sheet under fire safety, means of egress and general safety.

HVAC categories:

- (a) Greater than five (5) floors, or combustibles in air plenums or corridors used as air plenums.
- (b) Three (3) to five (5) floors.
- (c) Two (2) floors.
- (d) One (1) floor, or central boiler/chiller with no ductwork connecting two (2) or more floors.

HVAC SYSTEM VALUES  
TABLE 12

BUILDING TYPES	CATEGORIES			
	a	b	c	d
1	0	2	5	7
2	-10	-5	0	2
3	-5	0	2	5
4	0	2	5	7
5	0	2	5	7
6	0	2	5	7
7	-5	0	2	5
8	-5	0	2	5
9	-5	0	2	5

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10	-5	0	2	5
11	0	2	5	7

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-12; filed Dec 2, 1987, 2:22 pm: 11 IR 1280, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-13 Automatic alarms**

Authority: IC 22-13-4-5  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. (a) Evaluate the ability of automatic fire alarms to detect smoke in all areas of the existing building. Using the categories listed in subsection (b) and Table 13, determine the alarm system values and enter that value on the building score sheet under fire safety, means of egress, and general safety.

- (b) Automatic alarm categories shall be as follows:
- (1) None.
  - (2) HVAC return only.
  - (3) Elevator lobby only.
  - (4) HVAC return, elevator lobby, and single station units in type 9 buildings.
  - (5) All corridors, including elevator lobby.
  - (6) Total space, including HVAC return, conforming to the requirements for new construction.

AUTOMATIC ALARM VALUES  
 TABLE 13

Building Type	Categories					
	a	b	c	d	e	f
1	-10	-5	0	2	4	6
2	-30	-10	-5	0	2	4
3	-10	-5	0	2	4	6
4	0	2	4	6	8	12
5	0	2	4	6	8	12
6	0	2	4	6	8	12
7	-10	-5	0	2	4	6
8	-10	-5	0	2	4	6
9	-10	-5	0	2	4	6
10	-10	-5	0	2	4	6
11	0	2	4	6	8	12

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-13; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1280, eff Mar 1, 1988; filed Apr 26, 1988, 2:45 p.m.: 11 IR 3044; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2106; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-14 Communications**

Authority: IC 22-13-4-5  
 Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 14. (a) Evaluate the capability of building alarm systems to communicate with all building occupants in an emergency using the categories in subsection (b) and Table 14, and record that communication value on the building score sheet under fire safety, means of egress, and general safety.

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(b) Communication categories shall be as follows:

- (1) Category a. None.
- (2) Category b. Manual fire alarms conforming to the Indiana fire prevention code.
- (3) Category c. Fire alarms conforming to the Indiana fire prevention code, with a public address or voice communication system installed throughout the building.
- (4) Category d. Central control stations conforming to the building code.

COMMUNICATION VALUES  
TABLE 14

Building Type	Categories			
	a	b	c	d
1	-10	-5	0	5
2	-10	-5	0	5
3	-10	-5	0	5
4	-10	-5	0	5
5	-10	-5	0	5
6	-5	0	5	10
7	0	5	10	15
8	-5	0	5	10
9	-5	0	5	10
10	0	5	10	15
11	0	5	10	15

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-14; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1280, eff Mar 1, 1988; errata, 11 IR 1309; filed Oct 19, 1990, 2:38 p.m.: 14 IR 446; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2106; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-15 Smoke control**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 15. (a) Evaluate the ability to control the movement of smoke in the existing building by natural or mechanical means. Using the categories listed in subsection (b) and Table 15, determine the smoke control value and record that value under means of egress and general safety on the building score sheet.

(b) Smoke control categories shall be as follows:

- (1) None.
- (2) Windows operable without special keys or tools (total building).
- (3) One (1) smoke proof enclosure and building having operable windows.
- (4) One (1) stair having operable exterior windows and building having operable windows.
- (5) Smoke control systems in accordance with the building code.
- (6) Smoke proof enclosures in accordance with the building code.

SMOKE CONTROL VALUES\*  
TABLE 15

Building Type	Categories					
	a	b	c	d	e	f
1	-6	-5	-4	-3	0	0
2	-6	-5	-4	-3	0	0

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3	-6	-5	-4	-3	0	0
4	-3	-3	-3	-2	0	2
5	-3	-3	-3	-2	0	2
6	0	2	3	3	3	4
7	0	2	2	3	3	3
8	0	2	3	3	3	4
9	0	2	3	3	3	4
10	0	2	2	3	3	3
11	0	2	2	3	3	3

\*Any positive value shall be zero (0) if compliance with categories d, e, or f in Table 13 in section 13 of this rule has not been obtained. *(Fire Prevention and Building Safety Commission; 675 IAC 12-8-15; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1281, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2107; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-16 Exit capacity**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. (a) Evaluate the means of egress of the existing building, then, using the categories in subsection (b) and Table 16, determine the exit capacity value and enter that value under means of egress and general safety on the building score sheet.

(b) Exit capacity categories shall be as follows:

- (1) Category a. Minimum number of exits in accordance with the building code are provided.
- (2) Category b. The total width of exits in accordance with the building code is exceeded.
- (3) Category c. Horizontal exits comply with the building code.
- (4) Category d. The width of exits meets the requirements of the building code and the number of exits exceeds the requirements of the building code.

EXIT CAPACITY VALUES  
TABLE 16

Building Type	Categories			
	a	b	c	d
1	0	5	10	20
2	0	5	10	20
3	0	5	10	20
4	0	5	10	20
5	0	5	10	20
6	0	2	5	10
7	5	10	20	30
8	0	2	5	10
9	0	5	10	20
10	5	10	20	30
11	5	10	20	30

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-16; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1281, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 446; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2107; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-17 Dead ends**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 17. Determine the length of any dead end corridors. Using the categories below and Table 17 obtain the dead end value and enter that value under means of egress and general safety on the building score sheet.

Dead end categories:

- (a) Dead end corridors of more than twenty feet (20'), but less than fifty feet (50').
- (b) Dead end corridors of twenty feet (20') or less.

DEAD END VALUES  
TABLE 17

BUILDING TYPE	CATEGORIES	
	a	b
1	-5	0
2	-10	0
3	-5	0
4	-5	0
5	-5	0
6	0	5
7	0	5
8	0	5
9	-5	0
10	0	5
11	0	5

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-17; filed Dec 2, 1987, 2:22 pm: 11 IR 1281, eff Mar 1, 1988; errata, 11 IR 1309; errata, 11 IR 1607; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-18 Maximum travel distance**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 18. (a) Determine the longest length of travel to an approved exit, then, using the categories listed in subsection (b) and Table 18, obtain the maximum travel distance value and enter that value under means of egress and general safety on the building score sheet.

(b) Travel distance categories shall be as follows:

- (1) Exceeds the limits set by the building code.
- (2) Complies with the limits set by the building code.
- (3) Is less than half the limits set by the building code.

TRAVEL DISTANCE VALUES  
TABLE 18

Building Type	Categories		
	a	b	c
1	-10	0	5
2	-10	0	5
3	-10	0	5
4	-10	0	5

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5	-10	0	5
6	-5	0	10
7	-5	0	10
8	-5	0	10
9	-10	0	5
10	-5	0	10
11	-5	0	10

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-18; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1282, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2108; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-19 Elevator control**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 19. Evaluate the elevator equipment and controls, then using the categories listed below and Table 19 determine the elevator control value and enter it on the building score sheet under fire safety, means of egress and general safety.

Elevator control categories:

- (a) None, or no elevator in buildings four (4) or more stories high.
- (b) Fire department control, or no elevator in buildings two (2) or three (3) stories high.
- (c) Automatic recall.
- (d) Fire department control and automatic recall, or buildings one (1) story high.

ELEVATOR CONTROL VALUES  
TABLE 19

BUILDING TYPE	CATEGORIES			
	a	b	c	d
1	0	3	6	9
2	0	3	6	9
3	-7	0	3	6
4	-7	0	3	6
5	-7	0	3	6
6	-7	0	3	6
7	-7	0	3	6
8	-7	0	3	6
9	-7	0	3	6
10	-10	-7	0	3
11	-10	-7	0	3

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-19; filed Dec 2, 1987, 2:22 pm: 11 IR 1282, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-20 Egress lighting**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 20. (a) Evaluate the existence and dependability of emergency lighting, then, using the categories listed in subsection

(b) and Table 20, determine the egress lighting value and enter it under means of egress and general safety on the building score sheet.

(b) Egress lighting categories shall be as follows:

- (1) None.
- (2) Lighting in accordance with the building code, but without separate sources of power, if required.
- (3) Full compliance with the building code.

EGRESS LIGHTING VALUES  
TABLE 20

Building Type	Categories		
	a	b	c
1	-20	-10	0
2	-20	-10	0
3	-20	-10	0
4	-20	-10	0
5	-20	-10	0
6	-10	0	2
7	-5	0	2
8	-10	0	2
9	-10	0	2
10	-5	0	2
11	0	2	7

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-20; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1282, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2108; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-21 Mixed uses**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 21. (a) When an existing building is to be used by more than one (1) occupancy as defined in the building code, then the separation of occupancies shall be evaluated using the categories listed in subsection (b) and Table 21 and the mixed use value obtained entered under fire safety and general safety on the building score sheet.

(b) Mixed use categories shall be as follows:

- (1) Not in compliance with the building code.
- (2) In compliance with the building code.

MIXED USE VALUES  
TABLE 21

Building Type	Categories	
	a	b
1	-10	0
2	-10	0
3	-5	0
4	-5	0
5	-5	0
6	-5	0

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7	-5	0
8	-5	0
9	-10	0
10	-5	0
11	-5	0

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-21; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1283, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2108; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-22 Building score**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 22. Ensure that a value, either positive or negative has been entered under every safety parameter and appropriate column of the building score sheet, then add the total values under fire safety, means of egress and general safety and record the total for each at the bottom of each column. These three (3) totals are the building score, which should reflect the existing building condition and any compliance alternatives proposed. *(Fire Prevention and Building Safety Commission; 675 IAC 12-8-22; filed Dec 2, 1987, 2:22 pm: 11 IR 1283, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-23 Building score sheet**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 23. Enter the data from 675 IAC 12-8-6 through 675 IAC 12-8-21 and total the building score.

SUMMARY SHEET-BUILDING SCORE

Existing use _____	Proposed Use _____
Year building was built _____	Number of stories _____ Height _____
Type of Construction _____	Area per floor _____
Separation: two sides _____ three sides _____	all sides _____
Completely sprinklered: Yes ___ No ___	Corridor wall rating _____
Compartmentation: Yes ___ No ___	Required door closers _____ Yes ___ No ___
Fire-resistance rating on vertical opening enclosures _____	
Type of HVAC System _____,	Serving number of floors _____
Automatic alarms: Yes ___ No ___,	Type and location _____
Communication systems: Yes ___ No ___,	Type _____
Smoke control: Yes ___ No ___,	Type _____
Adequate exit routes: Yes ___ No ___,	Dead ends: Yes ___ No ___
Maximum travel distance _____	Elevator controls: Yes ___ No ___
Emergency lighting: Yes ___ No ___	Mixed uses: Yes ___ No ___

Section	Safety Parameters	Fire Safety	Means of Egress	General Safety
6	Height and area			
7	Fire extinguishing systems			
8	Fire area			
9	Space division			
10	Corridor partitions/walls			

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11	Vertical openings		
12	HVAC systems		
13	Automatic alarms		
14	Communications		
15	Smoke control	* * * *	
16	Exit capacity	* * * *	
17	Dead ends	* * * *	
18	Maximum travel distance	* * * *	
19	Elevator control		
20	Egress lighting	* * * *	
21	Mixed uses		* * * *
22	Building Score-total value		

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-23; filed Dec 2, 1987, 2:22 pm: 11 IR 1283, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-8-24 Mandatory safety scores**

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 24. (a) General. The values of Table 24 reflect the minimum scores of each building by existing building type for fire safety, means of egress and general safety. These mandatory safety scores reflect the minimum requirements for the existing building including any proposed compliance alternatives.

(b) Evaluation formulae. Using the building score totals from the building score sheet and the mandatory scores from Table 24 use the following formulae to determine compliance to this rule. A building must achieve a final score of not less than zero (0) in all three (3) categories to satisfy the requirements of this rule (675 IAC 12-8).

**EVALUATION FORMULAE**

Formula	Building Score Sheet*	Table 24	Pass/Fail
FS-MFS ≥ 0	_____ (FS)	- _____ (MFS)	= _____
ME-MME ≥ 0	_____ (ME)	- _____ (MME)	= _____
GS-MGS ≥ 0	_____ (GS)	- _____ (MGS)	= _____

FS = Fire Safety

MFS = Mandatory Fire Safety

ME = Means of Egress

MME = Mandatory Means of Egress

GS = General Safety

MGS = Mandatory General Safety

\*From building score sheet total values

**MANDATORY SAFETY SCORES**

**TABLE 24**

**CATEGORIES**

BUILDING TYPE	FIRE SAFETY	MEANS OF EGRESS	GENERAL SAFETY
1	10	24	24
2	5	19	19

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3	9	21	21
4	17	29	29
5	17	29	29
6	28	40	40
7	26	53	53
8	23	35	35
9	23	35	35
10	26	53	53
11	38	65	65

*(Fire Prevention and Building Safety Commission; 675 IAC 12-8-24; filed Dec 2, 1987, 2:22 pm: 11 IR 1284, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**Rule 9. Office of the State Fire Marshal; Permits**

**675 IAC 12-9-1 Purpose**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14

Sec. 1. The purpose of this rule (675 IAC 12-9) is to establish administrative procedures for the application, issuance and renewal of permits by the office of the state fire marshal. *(Fire Prevention and Building Safety Commission; 675 IAC 12-9-1; filed Feb 1, 1988, 2:17 pm: 11 IR 1790; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-9-2 Definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12-1; IC 22-14-3-2

Sec. 2. The definitions in this section apply only to this rule (675 IAC 12-9).

“Amusement” means the same as entertainment.

“Entertainment” means a performance or show designed to amuse or divert an assembly of persons.

“Place” means, in the context of a place of amusement or entertainment, either:

(1) a building primarily classified or capable of being classified as a Group A Occupancy under the Indiana Building Code (675 IAC 13); or

(2) a room classified or capable of being classified as a Group A Occupancy under the Indiana Building Code (675 IAC 13); or

(3) a structure classified or capable of being classified as a Group A-4 Occupancy under the Indiana Building Code (675 IAC 13); or

(4) a designated outdoor area upon which are installed or erected temporary or permanent regulated amusement devices as defined in 675 IAC 23-1-4.

“Regulated place of amusement or entertainment” means any of the following:

(1) A theater, opera house, movie theater, dance hall, night club with a stage or floor show, or another place that offers an amusement or entertainment to the public for consideration or promotional purposes.

(2) A place where a boxing exhibition is conducted under the supervision of the state boxing commission.

(3) A hall, gymnasium, or place of assembly where a school, college, university, social or fraternal organization, lodge, farmers organization, society, labor union, trade association, or church holds any type of amusement.

(4) A public or private place where a regulated amusement device is operated.

“Use” means, in the context of IC 22-14-3-2(b), a specified type of amusement or entertainment event intended by a permit applicant to be conducted at or in a regulated place of amusement or entertainment. *(Fire Prevention and Building Safety Commission; 675 IAC 12-9-2; filed Feb 1, 1988, 2:17 pm: 11 IR 1790; errata, 11 IR 2632; readopted filed Sep 11, 2001, 2:49 p.m.:*

25 IR 530)

**675 IAC 12-9-3 Amusement and entertainment permits**

Authority: IC 22-12-6-6

Affected: IC 22-12-6-7; IC 22-14-3-2; IC 22-14-3-3

Sec. 3. (a) An applicant for an annual amusement and entertainment permit shall submit an application, with the applicable fee as set in IC 22-12-6-7, to the office of the state fire marshal on forms provided by that office. An application may be submitted as early as September 1 of the year preceding the calendar year for which a permit will cover. Each application shall provide the information required by IC 22-14-3-3 and the following:

(1) A listing of each use, giving the days and hours of operation of regularly scheduled events and the dates and inclusive times of special events planned to be conducted in the calendar year for which a permit is to cover.

(2) An attached floor plan or site plan showing the planned arrangement of other than fixed seating and the location of aisles, exit ways, barriers, steps, or other crowd movement or control facilities, equipment, signs, or personnel.

(3) The maximum occupancy intended for both seated and standing attendees.

(4) The name, address, and telephone number of the person to be contacted to arrange for inspections by the office of the state fire marshal.

(b) An applicant for a special event endorsement to an annual amusement and entertainment permit shall submit an application to the office of the state fire marshal on forms provided by that office. Each application shall provide the following information:

(1) The permit number and address of the regulated place of amusement or entertainment for which an endorsement is sought.

(2) The name, address, and telephone number of the applicant if different than the applicant for the annual permit.

(3) The additional use, dates, and times of a special event not covered in the annual permit.

(4) An additional floor or site plan for the special event if different than the plans submitted with the application for the annual permit.

(5) The maximum occupancy intended for both seated and standing attendees.

(c) A permit issued under IC 22-14-3-2 and this section expires on December 31 in the year it is issued. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-3; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1790; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2237; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-9-4 Regulated explosives magazine permits**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-14-4-5

Sec. 4. (a) An applicant for an annual regulated explosives magazine permit shall submit an application to the office of the state fire marshal on forms provided by that office. An application may be submitted at any time to cover a period of one (1) year from the issue date. Each application shall provide the information required by IC 22-14-4-5 and the following:

(1) The name, address and telephone number of the applicant.

(2) The name, address and telephone number of the person exercising control over the explosives magazines if not the applicant.

(3) Plans and specifications of the magazine construction, if necessary to perform the inspection required by IC 22-14-4-5(a)(2).

(b) The office of the state fire marshal shall determine that the type and number of explosives magazines to be covered by the permit are adequate to store the types and maximum quantities of explosives stated in the permit application. The determination shall be made in accordance with the Indiana fire prevention code under 675 IAC 22-2.

(c) The office of the state fire marshal shall make, or cause to be made, an inspection of explosives magazines for compliance with the Indiana fire prevention code under 675 IAC 22 prior to the issuance of the explosives magazine permit.

(d) Explosives magazines used in connection with analytical laboratories or laboratories operated by a college, university, school or educational entity for the purpose of instruction or research, are exempt from the permit requirements of this section. However, such laboratories must be approved by the office of the state fire marshal under the alternate criteria for explosive laboratory operations as established in the Indiana fire prevention code under 675 IAC 22. (*Fire Prevention and Building Safety*

*Commission; 675 IAC 12-9-4; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1791; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2109; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-9-5 Permits for supervised public display of fireworks**

Authority: IC 22-11-14-2

Affected: IC 22-12; IC 22-13; IC 22-14

Sec. 5. (a) An applicant for a permit to conduct a supervised public display of fireworks shall submit an application to the office of the state fire marshal on forms provided by that office. Applications must be received by the office not less than fifteen (15) calendar days prior to the date of display. Pursuant to IC 22-11-14-2, the application shall be accompanied by a brief resume of the fireworks display operator(s) experience in the preparation of the display, igniting or discharging of fireworks, implementing emergency procedures, and disposal of unfired or defective fireworks. A fireworks display operator who has been convicted for a violation of IC 22-11-14 may not be designated as an operator in a permit application within one (1) year after the date of conviction.

(b) A permit issued by the office of the state fire marshal shall not become effective until the chief of the fire department of the municipality in which the display is to be held has:

(1) approved the operator of the display as qualified; and

(2) has inspected the proposed site of the display to determine that the display will not be hazardous to property or persons.

(c) A person may not possess, transport, or deliver fireworks for a supervised public display unless a permit for that display has been issued by the office of the state fire marshal under this section.

(d) A permit issued under this section is not transferable. *(Fire Prevention and Building Safety Commission; 675 IAC 12-9-5; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1791; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2109; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-9-6 Fireworks stand retail sales permits**

Authority: IC 22-11-14-7

Affected: IC 22-13; IC 22-14; IC 23-7-1.1

Sec. 6. An applicant for a fireworks stand retail sales permit shall submit an application to the office of the state fire marshal on forms provided by that office. Each application shall provide the information required by IC 22-11-14-7 and evidence of incorporation under IC 23-7-1.1 as a not-for-profit corporation, if an exemption from the permit fee is claimed. *(Fire Prevention and Building Safety Commission; 675 IAC 12-9-6; filed Feb 1, 1988, 2:17 pm: 11 IR 1791; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-9-7 Certificate of compliance; wholesale fireworks**

Authority: IC 22-12-6-6

Affected: IC 22-11-14; IC 22-13-2-11

Sec. 7. (a) An applicant for a certificate of compliance, required by IC 22-11-14-5, for the sale of fireworks shall submit to the office of the state fire marshal the following:

(1) A complete description of each firework item proposed to be shipped into Indiana.

(2) A written certification that the fireworks are manufactured in accordance with IC 22-11-14-1.

(3) A statement that identifies the applicant as a manufacturer, wholesaler, importer, or distributor and provides the location to which the shipment of fireworks is to be received within Indiana.

(b) No certificate of compliance shall be issued until the office of the state fire marshal determines, after inspection, that there is compliance with IC 22-11-14. *(Fire Prevention and Building Safety Commission; 675 IAC 12-9-7; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1791; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2237; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-9-8 Permit fees**

Authority: IC 22-12-6-6

Affected: IC 22-13-2-11

Sec. 8. Each application for a permit or certificate covered by this rule (675 IAC 12-9) shall be accompanied by a check for the amount of the fee established in the commission's fee schedule under 675 IAC 12-3. Checks shall be made payable to the Fire and Building Services Fund. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-8; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1792; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2238; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-9-9 Administrative adjudication**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3; IC 22-12; IC 22-14

Sec. 9. Any order granting or denying a permit or certificate governed by this rule (675 IAC 12-9) shall be issued by the office of the state fire marshal following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-9; filed Feb 1, 1988, 2:17 pm: 11 IR 1792; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**Rule 10. Building Regulations of State Agencies and Political Subdivisions**

**675 IAC 12-10-1 Purpose**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-2; IC 22-15-2-6

Sec. 1. The purpose of this rule is to establish administrative procedures and to provide instruction for state agencies and political subdivisions, having power to create building rules, equipment rules, or fire safety rules, as defined in 675 IAC 12-4-2, so as to prevent conflict, duplication, or overlap with the statewide code of building and fire safety laws adopted by the commission pursuant to IC 22-13-2-2. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-1; filed Feb 1, 1988, 2:19 p.m.: 11 IR 1792; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2110; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-10-2 Definitions**

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12; IC 22-13-2-3; IC 36-1-5-4; IC 36-7-2-9

Sec. 2. The following definitions apply throughout this rule:

- (1) "Adopt by reference" means the same as incorporation by reference as the term is used in IC 22-13-2-3(b) and IC 36-1-5-4.
- (2) "Conflict" means a difference between two (2) or more building, fire safety or equipment rules involving the same subject.
- (3) "Local building code" means the body of ordinances or regulations enacted by a political subdivision that incorporate by reference building rules required to be enforced at the local level of government by IC 36-7-2-9.
- (4) "More detailed", when applied to provisions in rules of state agencies or ordinances of political subdivisions, means explanatory material that is related to but does not change the text or intent of a rule of the commission.
- (5) "More stringent", when applied to provisions in rules of state agencies or ordinances of political subdivisions, means requirements that demand a level of design criteria or performance as to construction methods or materials, or imposes restrictions on the use of construction methods or materials not addressed in any provisions in a rule of the commission.
- (6) "Political subdivision" means a city, town, or county.
- (7) "State agency" means an agency of Indiana having statutory power to regulate buildings, structures, and other property by adoption of rules under IC 4-22-2.
- (8) "Statewide code" means all rules of the commission adopted as building rules and fire safety rules.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-10-2; filed Feb 1, 1988, 2:19 p.m.: 11 IR 1792; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2110; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-10-3 Rules of state agencies**

Authority: IC 22-13-2-2

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. (a) State agencies may incorporate by reference rules of the Commission for the purpose of avoiding conflict, duplication or overlap in rules made part of the Indiana Administrative Code. The Commission, on its own initiative, through the Division of Technical Services and Research, may review any proposed rule of a state agency as published in the Indiana Register for that purpose. The results of the Division's review if conflict, duplication or overlap is apparent, shall be furnished informally to the agency proponent of the rule and to the Office of the Attorney General prior to a scheduled public hearing on a proposed rule.

(b) If the Commission's review of a final rule of a state agency, as published in the Indiana Register, finds duplication, conflict, or overlapping of responsibility between:

- (1) IC 22-12, IC 22-13, IC 22-14, IC 22-15; or
- (2) a fire safety rule of the Commission; or
- (3) a building rule of the Commission;

the Commission, at a regularly scheduled meeting, shall issue an order under IC 4-21.5-3-6 to that state agency to revise its rules as necessary to comply with IC 22-13-2-3 and IC 22-13-2-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed to have been a preliminary determination. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-3; filed Feb 1, 1988, 2:19 pm: 11 IR 1793; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-10-4 Local building codes of political subdivisions**

Authority: IC 22-13-2-13  
Affected: IC 22-13-2-3; IC 36-7-2-9

Sec. 4. (a) Political subdivisions may incorporate by reference building rules of the commission in local building codes established by ordinance in accordance with IC 22-13-2-3.

(b) Building rules adopted by the commission in 675 IAC 13, 675 IAC 14, 675 IAC 16, 675 IAC 17, 675 IAC 18, 675 IAC 19, 675 IAC 20, and 675 IAC 22 are collectively a code of building laws required to be enforced at the local level of government under IC 36-7-2-9. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-4; filed Feb 1, 1988, 2:19 p.m.: 11 IR 1793; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2110; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-10-5 Local revisions to adopted building or equipment rules**

Authority: IC 22-13-2-2  
Affected: IC 22-13-2-3

Sec. 5. A political subdivision may desire to include, in its local building code, provisions that go into more detail or contain more stringent requirements than the statewide code. This option is conditioned, however, in that more stringent requirements may not conflict with the statewide code. The manner of establishing more detailed or more stringent requirements shall be by amendment of specific provisions in the rules of the Commission as incorporated by reference in the same ordinance. Each amendment must refer to a corresponding section or sections of a rule of the Commission, and to section references in incorporated codes or standards as applicable. In such case, the adopted building rule, code or standard shall be identified in a particular edition and shall include a citation reference to a specific edition or supplement to the Indiana Administrative Code. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-5; filed Feb 1, 1988, 2:19 pm: 11 IR 1793; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-10-6 Required administrative provisions in local building code ordinances**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 4-21.5-3-7; IC 22-12; IC 22-13; IC 22-15; IC 36-7-2-9

Sec. 6. To carry out the requirements of IC 36-7-2-9, certain administrative provisions must be included in local building codes to obtain approval by the Commission under IC 22-13-2-5. These provisions include:

- (1) An official or an agency of the political subdivision must be designated as being responsible to enforce the adopted code of building laws and orders issued under IC 22-13-2-11 and IC 22-12-7.
- (2) It must provide that no building permit will be issued to a person that would cause a violation of IC 22-15-3-7.
- (3) It must specifically refer to the administrative review of locally issued orders or variances provided for by IC 22-13-2-7.
- (4) It must state that the local building code does not apply to an industrialized building system or mobile structure that is

certified under IC 22-15-4.

(5) It must provide an effective date for the ordinance not earlier than the date upon which the Commission grants its approval. *(Fire Prevention and Building Safety Commission; 675 IAC 12-10-6; filed Feb 1, 1988, 2:19 pm: 11 IR 1793; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-10-7 Other local building regulations**

Authority: IC 22-13-2-2

Affected: IC 22-12-1; IC 22-13-2-5; IC 36-7

Sec. 7. (a) Political subdivisions may establish minimum housing standards or other building regulations by ordinance under IC 36-7-2 or IC 36-7-8. Where such standards or regulations affect construction, repair, or maintenance of Class 1 or Class 2 structures, the establishing ordinances are building laws as defined in IC 22-12-1-3 and are building rules as defined in 675 IAC 12-4-2. Such ordinances are subject to approval by the Commission under IC 22-13-2-5 before they can become effective.

(b) For the purpose of this rule (675 IAC 12-10) minimum housing standards that prescribe minimum conditions for human habitation in existing dwellings that are less stringent than comparable standards for new construction, are not in conflict with the rules of the Commission.

(c) For the purposes of this rule (675 IAC 12-10) standards contained in land use regulations, such as zoning or subdivision regulations, that are more restrictive with respect to building height, area, or distance from property lines than comparable standards for new construction, are not in conflict with the rules of the Commission. *(Fire Prevention and Building Safety Commission; 675 IAC 12-10-7; filed Feb 1, 1988, 2:19 pm: 11 IR 1794; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-10-8 Ordinance approval procedure**

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-13-4-5

Sec. 8. The commission's program for review of adopted ordinances of cities, towns, or counties submitted for approval by the commission under IC 22-13-4-5, will be conducted at the staff level by the Division of Technical Services and Research (division) as follows:

(1) A request may be made to the division for preliminary staff review at any time. The results of the staff review will be furnished to the requester within a reasonable time.

(2) A submission by a political subdivision for approval of an ordinance by the commission, shall include two (2) copies of an adopted ordinance, and must be filed with the commission. The staff will place the submission on the agenda for the first commission meeting scheduled later than five (5) working days subsequent to the receipt of the submission.

(3) The commission's order approving the ordinance shall be issued following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed merely to have been a preliminary determination.

(4) One (1) copy of each approved ordinance, endorsed by the chairman of the commission, shall be returned to the submitter with the order approving the ordinance.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-10-8; filed Feb 1, 1988, 2:19 p.m.: 11 IR 1794; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2110; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-10-9 Local inspection programs**

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-15-2-6; IC 36-1-7-2; IC 36-7-8-7

Sec. 9. (a) A political subdivision that has enacted and put into effect a local building code in accordance with this rule, or has arranged for inspection services to be performed by another political subdivision under IC 36-7-8-7 or IC 36-1-7-2, shall be deemed to have established a program to periodically inspect construction provided a written statement from the chief executive officer of the political subdivision furnishing inspection services is filed with the office of the state building commissioner containing the following:

(1) The name and address of the person or office to which design releases and other notices or orders of the office of the state building commissioner should be sent.

(2) The names of all inspectors appointed to enforce the local building code and the assigned scope of each inspector's responsibility for the adopted building rules of the commission.

(3) If applicable, the name of other political subdivisions for which inspection services are being provided.

(b) Any changes in the factual content of the written statement required in subsection (a), shall be submitted to the office of the state building commissioner within thirty (30) days of the date of change.

(c) If the office of the state building commissioner determines that the requirements of this section are no longer being met by a political subdivision, the commissioner shall give written notice of the determination to the chief executive officer of that political subdivision. The construction inspection fee established in 675 IAC 12-3-6 shall become payable for design releases issued after the date of such notice. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-9; filed Feb 1, 1988, 2:18 p.m.: 11 IR 1795, eff Apr 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2111; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

## **Rule 11. Statewide Fire and Building Safety Education Fund**

### **675 IAC 12-11-1 Definitions**

Authority: IC 22-12-6-3

Affected: IC 22-12-5-1; IC 22-12-5-6; IC 22-12-6-3; IC 22-12-6-6

Sec. 1. (a) As used in this rule, "approved building department" means the building regulatory agency of a political subdivision that meets the local inspection program requirements of 675 IAC 12-10-9.

(b) As used in this rule, "building official" means the local government official who administers a local building department education plan.

(c) As used in this rule, "department" means the fire and building services department established by IC 22-12-5-1.

(d) As used in this rule, "division" means the division of education and information established by IC 22-12-5-1(5).

(e) As used in this rule, "fire official" means the local government official who administers a fire prevention program.

(f) As used in this rule, "fund" means the statewide fire and building safety education fund established by IC 22-12-6-3.

(g) As used in this rule, "inspector" means a person employed by a local government to perform inspections to obtain compliance with the rules of the commission.

(h) As used in this rule, "provider" means a person or organization that provides a course or program within the scope of the division's educational and training programs as authorized under IC 22-12-5-6. (*Fire Prevention and Building Safety Commission; 675 IAC 12-11-1; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1048, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 12-11-2 Purpose**

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 2. (a) The fund is established to pay all or part of the enrollment fees charged for educational training courses, seminars, or other programs of the department on behalf of local government inspectors whose applications for financial assistance are approved.

(b) Enrollment fees may include the following:

(1) Tuition or course fees.

(2) Registration fees.

(3) Lab fees.

(4) Cost of individual course materials, such as books or equipment.

(5) A pro rata share of instructor honoraria, if applicable.

(c) Enrollment fees may not include the following:

(1) Inspector travel expenses.

- (2) Lodging costs.
- (3) Cost of meals.
- (4) Parking fees.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-11-2; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1049, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2111; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-11-3 Eligibility for assistance**

Authority: IC 22-12-6-3  
Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 3. (a) The eligibility requirements to qualify for payment of enrollment fees from the fund are as follows:

(1) The applicant is a full- or part-time inspector in an approved building department or is a full- or part-time paid or volunteer fire inspector in an established fire department of a political subdivision.

(2) The applicant has obtained approval from a building or fire official, as appropriate, including a statement that completion of a specified course or program of the department is an element of a local building or fire department education plan on file with the division.

(b) Meeting the eligibility requirements of itself does not assure that an application for assistance will be approved. The fund may not be adequate to finance all applications for specific programs within an annual budget. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-3; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1049, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-11-4 Application for financial assistance**

Authority: IC 22-12-6-3  
Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-12-5-6; IC 22-12-6-6

Sec. 4. (a) Applications for payment of enrollment fees may be made by eligible inspectors on forms provided by the division.

(b) Applications must be received by the division on or before the submission date printed on the application form.

(c) The division director shall evaluate all applications for completeness, timeliness, and conformance with published instructions. Each application shall be further evaluated by the division director with consideration of the local building or fire department education plan. The director may rank the applications in order of perceived need, merit, benefit to the local community, amount of previous assistance, or other factors deemed to produce a distribution of available funds for the greatest good. The director may seek impartial assistance in the evaluation process from other departmental employees.

(d) The division director shall maintain a list of applicants selected for payment of enrollment fees, the amount of each payment, and the name of the provider to whom payment is to be made.

(e) The order granting or denying an application for financial assistance shall be issued by the director of the division following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-4; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1049, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-11-5 Revocation of financial assistance**

Authority: IC 22-12-6-3  
Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12-5-6; IC 22-12-6-6

Sec. 5. (a) The division director may withhold all or part of any payment from the fund on behalf of any inspector who fails to meet the attendance standards of the provider for a particular course or program.

(b) The order revoking an authorization for payment shall be issued under the requirements of IC 4-21.5-3-6. If the petition

for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-11-5; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-11-6 Local building or fire department education plan**

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 6. (a) Each approved building department or fire department that desires to enroll inspectors with financial assistance from the fund must have on file with the division director an education plan. The plan should identify all eligible inspectors and their duties, record of prior training, educational background, and other information that the building or fire official deems appropriate.

(b) The division director may provide assistance to local officials in preparation of local education plans. (*Fire Prevention and Building Safety Commission; 675 IAC 12-11-6; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-11-7 Budget**

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 7. (a) The division director shall prepare a proposed annual budget for each fiscal year. The proposed budget document shall include a recommended curricula of courses and estimated costs to be financed from the fund.

(b) The proposed budget document is subject to final approval by the executive director of the department and the state budget agency. (*Fire Prevention and Building Safety Commission; 675 IAC 12-11-7; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-11-8 Reports**

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 8. (a) The division director shall prepare an annual report at the end of each fiscal year covering the following:

- (1) Curricula.
- (2) Enrollment statistics.
- (3) Summary of student evaluations.
- (4) Programmed and actual expenditures.
- (5) Recommendations for program changes.

(b) The executive director of the department shall submit the annual report to the fire prevention and building safety commission with recommendations for changes in administrative rules or level of funding under 675 IAC 12-3-7. (*Fire Prevention and Building Safety Commission; 675 IAC 12-11-8; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-11-9 Records**

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 9. (a) The division director shall maintain a record of all receipts and expenditures of the fund.

(b) The division director shall maintain performance and attendance records of inspectors enrolled in departmental programs

that may be used in any voluntary accreditation program of the division or a provider.

(c) The division director shall send an attendance or performance report to the building or fire official of each political subdivision that has enrolled inspectors under the program. (*Fire Prevention and Building Safety Commission; 675 IAC 12-11-9; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

## **Rule 12. Underground Storage Tank Certification Program**

### **675 IAC 12-12-1 Authority; definitions**

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-11-2-241; IC 13-23-3

Sec. 1. (a) This section is adopted in accordance with IC 13-23-3-1 through IC 13-23-3-4.

(b) The following definitions apply throughout this rule:

(1) "Examination" means a written set of questions approved by the office of the state fire marshal.

(2) "Decommissioning" means the removal or closure of an underground storage tank.

(3) "Owner" has the same meaning as set forth in 675 IAC 22.

(4) "Performance bond" means a document that establishes a guaranty obligation in a stated dollar amount to pay the costs of the installation, retrofitting, testing, cathodic protection, or decommissioning of one (1) or more underground storage tanks.

(5) "Person" has the same meaning as set forth in 675 IAC 22.

(6) "Underground storage tank" has the same meaning as set forth in IC 13-11-2-241.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-12-1; filed Sep 13, 1990, 4:00 p.m.: 14 IR 286; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1006; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2111; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 12-12-2 Purpose**

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 2. The purpose of this rule is to establish procedures for the office of the state fire marshal to administer a certification program for persons who supervise, manage, or direct underground storage tank:

(1) installation or retrofitting;

(2) testing;

(3) cathodic protection procedures; or

(4) decommissioning.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-12-2; filed Sep 13, 1990, 4:00 p.m.: 14 IR 286; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1007; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2111; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 12-12-3 Application for certification**

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 3. (a) A person who supervises, manages, or directs the installation, retrofitting, testing, cathodic protection, or decommissioning of underground storage tanks shall submit evidence to the office of the state fire marshal that the person has successfully completed applicable examinations administered by:

(1) the International Fire Code Institute; or

(2) another independent testing agency whose examinations have been approved by the office of the state fire marshal as being substantially similar.

(b) Renewal procedures pertaining to the certification examinations shall be as set forth in IC 13-23-3-4(a). A certificate expires two (2) years from the date a person successfully completes the examination referenced in subsection (a).

(c) Passing scores and retest requirements for the certification examinations shall be as set forth in section 3.1 of this rule.

(d) Examination subjects are those as set forth in section 2 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-3; filed Sep 13, 1990, 4:00 p.m.: 14 IR 286; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1007; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2112; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1009; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-12-3.1 Certification examination**

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 3.1. (a) The passing score for each module shall be seventy percent (70%).

(b) There shall be no limit on the number of times a person may be examined on any module, nor any waiting period required before reapplying for examinations for any module. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-3.1; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1007; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2287; errata filed Feb 2, 1998, 8:30 a.m.: 21 IR 2129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-12-4 Issuance of certificate**

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 4. (a) Unless grounds exist to deny a certificate under IC 13-23-3-3(b), the office of the state fire marshal shall issue a certificate to a person who:

(1) passes one (1) or more of the certification examination subjects under section 2 of this rule; and

(2) pays a certificate issuance fee of twenty-five dollars (\$25) payable to the fire and building services fund.

(b) A person who had a certificate revoked under IC 13-23-3-3(b) may obtain a certificate from the office of the state fire marshal only if the person files a performance bond in an amount prescribed in section 6 of this rule.

(c) A certificate shall identify which certification examination subjects were passed, and is valid only for work within the scope of those subjects.

(d) A certificate issued under subsection (a) expires two (2) years from the date the person successfully completes the examination to qualify to obtain a certificate.

(e) Upon payment of the required fee, as specified in subsection (a), any person who is certified or licensed to supervise, manage, or direct underground storage tank installation, retrofitting, testing, cathodic protection, or decommissioning in another state shall, without examination, be granted a certificate, provided the following:

(1) The person submits an application for reciprocity.

(2) No such person shall be granted a certificate in a category the person is not certified for in another state.

(3) The requirements for licensing in such other state are substantially similar to the requirements in force in Indiana.

(f) The division of education and information shall submit to the office of the state fire marshal documented evidence that the certification or licensing is substantially similar to Indiana's underground storage tank certification examination. The office of the state fire marshal shall grant or deny the certification. Application forms for reciprocity shall be provided by the office of the state fire marshal. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-4; filed Sep 13, 1990, 4:00 p.m.: 14 IR 286; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1008; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2112; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-12-5 Orders; sanctions; appeals**

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 4-21.5-3-7; IC 22-12-7

Sec. 5. (a) The office of the state fire marshal may issue orders under IC 22-12-7-4 to require a person to cease and correct any violation of the laws and rules pertaining to the installation, retrofitting, testing, cathodic protection, or decommissioning of underground storage tanks.

(b) The office of the state fire marshal may impose sanctions, with respect to certificates issued under section 4 of this rule,

as described in IC 22-12-7-7 and IC 13-23-3-3.

(c) A person who is aggrieved by an order of the office of the state fire marshal may request an informal hearing under IC 22-12-7-12 or may appeal by filing a petition for review of the order under IC 4-21.5-3-7. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-5; filed Sep 13, 1990, 4:00 p.m.: 14 IR 287; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1008; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2113; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-12-6 Performance bond**

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3-3

Sec. 6. If a person files a performance bond with an application for a certificate under IC 13-23-3-3(c), the amount of the bond shall be equal to the dollar value of a single contract awarded to the person for the installation, retrofitting, testing, cathodic protection, or decommissioning of one (1) or more underground storage tanks at a particular location. The office of the state fire marshal shall act only as a custodian and shall not be obligee of the bond. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-6; filed Sep 13, 1990, 4:00 p.m.: 14 IR 287; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1009; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2113; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-12-7 Display of certificate**

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 7. The person who supervises, manages, or directs the installation, retrofitting, testing, cathodic protection, or decommissioning of an underground storage tank shall display or produce a valid certificate or copy thereof, which was issued by the office of the state fire marshal under this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-7; filed Sep 13, 1990, 4:00 p.m.: 14 IR 287; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1009; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2114; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**Rule 13. Conversion of Existing Buildings**

**675 IAC 12-13-1 Purpose**

Authority: IC 22-13-4-5

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. This rule provides for the economically efficient reuse of buildings and other structures. This rule also provides a means to evaluate the adequacy of fire and life safety systems in an existing building for a new use group or a division within a use group. Use groups are classified under 675 IAC 13. (*Fire Prevention and Building Safety Commission; 675 IAC 12-13-1; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2586, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-13-2 Application**

Authority: IC 22-13-4-5

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. (a) This rule applies to existing buildings, when specifically requested by the building owner or his or her agent, at the time of an application for a design release under 675 IAC 12-6. Upon receipt of such request, the offices of the state building commissioner and the state fire marshal shall have the plans, if any, and an inspection report for conversion reviewed for conformance with the requirements of this rule. If conformance is achieved, a design release for the conversion shall be issued. Full compliance with all applicable rules of the commission shall be required for all construction work done to accomplish the conversion.

- (b) An application and supporting documents for a design release under this rule must demonstrate all of the following:
- (1) The total building floor area, excluding basements, does not exceed three thousand (3,000) square feet.
  - (2) The building does not exceed three (3) stories in height, excluding basements.
  - (3) Basements and third floor areas shall not be used by the public.
  - (4) The building occupant load shall not exceed the number permitted for new construction in the planned use group classification.
  - (5) The minimum width of stairways to be used by the public shall be thirty-six (36) inches.
  - (6) The restrictions in this rule are acceptable and shall be conditions of a design release or other order of the office of the state building commissioner.
  - (7) The new use group must meet the same requirements for exit width, arrangement of exits, illumination of exits, exit signs, and smoke detection as required for new construction.
  - (8) Buildings converted to use Group R-1 shall be in full compliance with the plumbing, mechanical, and electrical provisions of the commission's rules for the new use or occupancy.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-13-2; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2586, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2114; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-13-3 Permitted conversions**

Authority: IC 22-13-4-5

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. (a) A detached single family dwelling may be converted to use group B, F-1, M, S-1, or S-2 as:

- (1) office use with no floor loads in excess of thirty (30) pounds per square foot;
- (2) retail sales use with storage areas limited to floor loads not in excess of thirty (30) pounds per square foot; or
- (3) other storage uses with no floor loads in excess of thirty (30) pounds per square foot.

(b) A detached single family dwelling may be converted to use group A-3 having an occupant load of one hundred (100) or less, limited to the first floor level and having two (2) exits to a public way. Floor loads shall not exceed thirty (30) pounds per square foot.

(c) A group B, F-1, M, S-1, or S-2 building may be converted to:

- (1) use group S-3; or
- (2) use group A-3 having an occupancy load of one hundred (100) or less and having two (2) exits to a public way.

(d) A detached one (1) or two (2) family dwelling may be converted to a use group R-1 apartment building or use group R-3 lodging house.

(e) A detached single family dwelling may be converted to a mixed use group M/R or B/R. *(Fire Prevention and Building Safety Commission; 675 IAC 12-13-3; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2587, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2114; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1009; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-13-4 Inspection**

Authority: IC 22-13-4-5

Affected: IC 22-14; IC 22-15

Sec. 4. (a) Prior to issuance of a design release for conversion of a building under this rule, the state building commissioner shall cause the building to be inspected with regard to the existing condition and proposed construction or alterations work. The same inspection fee established in 675 IAC 12-3-11 for inspections under 675 IAC 12-8-3(a) is established for inspections under this rule. The inspection fee shall be paid to the fire and building services fund prior to any inspection.

(b) Inspection of work in progress shall be performed by local units of government that require conformance with the building rules of the commission. The office of the state building commissioner may also perform inspections for the same purpose. *(Fire Prevention and Building Safety Commission; 675 IAC 12-13-4; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2587, eff Jun 1, 1992 [IC 4-22-*

2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2114; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**Rule 14. Firefighting and Emergency Equipment Revolving Loan Fund**

**675 IAC 12-14-1 Definitions**

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 36-8-12-2

Sec. 1. (a) The definitions in this section apply throughout this rule.

(b) "Office" means the office of the state fire marshal.

(c) "Personal protective equipment" means any of the following:

(1) Protective:

- (A) coats;
- (B) trousers;
- (C) coveralls;
- (D) footwear;
- (E) gloves; and
- (F) hoods.

(2) Proximity protective:

- (A) coats;
- (B) trousers;
- (C) coveralls;
- (D) footwear;
- (E) gloves; and
- (F) hoods.

(3) Emergency medical:

- (A) garments;
- (B) face protection devices; and
- (C) gloves.

(4) Helmets.

(5) Self-contained breathing apparatus.

(6) Vapor protective suits.

(7) Liquid splash-protective suits.

(8) Chemical-protective clothing.

(d) "Qualified entity" means the term as defined in IC 22-12-1-18.7.

(e) "Revolving fund" means the firefighting and emergency equipment revolving loan fund established by IC 22-14-5. (*Fire Prevention and Building Safety Commission; 675 IAC 12-14-1; filed May 29, 1997, 2:40 p.m.: 21 IR 395; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-14-2 Use of loan proceeds**

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 22-14-5-9; IC 36-8-12-2

Sec. 2. Other allowable incidental expenses under IC 22-14-5-9(1) may include the cost of accounting or other professional services incurred by the qualified entity in obtaining a loan from the revolving fund. (*Fire Prevention and Building Safety Commission; 675 IAC 12-14-2; filed May 29, 1997, 2:40 p.m.: 21 IR 396; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-14-3 Application process**

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 4-21.5-3-7; IC 22-12-1-18.7; IC 22-12-1-23.3; IC 36-8-12-2

Sec. 3. (a) A qualified entity may apply for a loan from the revolving fund on the application form provided by the office. The office shall make application forms available upon request.

(b) Upon receipt of the properly completed and executed application, the office shall review the application and notify the qualified entity of the approval or disapproval of the application. For purposes of this subsection, an application shall not be deemed complete until the office has received all documents required under section 5 of this rule.

(c) In the event the loan is disapproved, the qualified entity shall be given written notice by the office.

(d) A qualified entity may appeal the disapproval of any loan application to the commission in accordance with the provisions of IC 4-21.5-3-7. (*Fire Prevention and Building Safety Commission; 675 IAC 12-14-3; filed May 29, 1997, 2:40 p.m.: 21 IR 396; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-14-4 Loan terms and conditions**

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 22-14-5-9; IC 36-8-12-2

Sec. 4. (a) Upon approval of the application by the office and before delivery of the loan proceeds, the qualified entity, by its designated officers, shall execute a promissory note, a loan and security agreement, and such other documents as are necessary to ensure that the transaction is legal, valid, binding, and enforceable.

(b) The terms and conditions of the promissory note and loan and security agreement shall include, but not be limited to, the following:

(1) A covenant as to the exclusive purpose of the loan pursuant to IC 22-14-5-9(1).

(2) The grant to the office by the qualified entity of a security interest in the equipment and apparatus purchased with the loan proceeds, for the balance of the loan, accrued interest, penalties, and collection expenses.

(3) A repayment period not to exceed seven (7) years.

(4) An interest rate set by the board of finance that is not more than two percent (2%) below the prime bank lending rate prevailing on the date the loan was approved by the office.

(5) If any deferral of principal is allowed, such period shall not exceed two (2) years.

(6) If repayment is limited to a specific revenue source of the qualified entity, the repayment shall not be a general obligation of the qualified entity and shall be payable solely from the specified revenue source.

(7) There shall be no prepayment penalty for payment of the loan sooner than required by the terms of the promissory note.

(8) The amount and frequency of the installment payments, including the principal and interest, together with the address to which the payments are to be delivered.

(9) One (1) or more covenants with respect to the qualified entity's continuing obligation to provide the following to the office:

(A) Signed purchase orders and other documentation evidencing the qualified entity's obligation to purchase the equipment and apparatus that is to be purchased with the loan proceeds.

(B) Canceled checks or other documentation evidencing payment by the qualified entity to the seller of the equipment and apparatus that is to be purchased with the loan proceeds.

(C) Delivery receipts and other documentation, including, where applicable, motor vehicle title documentation, evidencing the receipt by the qualified entity of the equipment and apparatus that is to be purchased with the loan proceeds.

(10) Such representations and warranties as may be necessary to ensure that the promissory note and the loan and security agreement are legal, valid, binding, and enforceable.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-14-4; filed May 29, 1997, 2:40 p.m.: 21 IR 396; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 12-14-5 Form of application**

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 36-8-12-2

Sec. 5. (a) The application shall contain at least the following information:

- (1) Name, address, telephone number, federal employer identification number, and, where applicable, state nonprofit identification number of the qualified entity.
  - (2) Name, title, address, and telephone number of contact person for the qualified entity.
  - (3) Names of governmental units, if any, with which the qualified entity has contracted to provide fire protection or emergency services.
  - (4) Organizational structure of the qualified entity.
  - (5) Where applicable, the tax exempt status of the qualified entity for both state and federal income tax purposes.
  - (6) Amount of loan requested and purpose.
  - (7) A description of the equipment and/or apparatus to be purchased and whether or not it is new or used.
  - (8) Specific source of repayment revenue.
  - (9) Statement of need.
  - (10) Name of person authorized to execute loan documents.
  - (11) The total assessed property tax value of the qualified entity or the total assessed property tax value of those areas for which the qualified entity actually provides fire protection or other emergency services.
  - (12) The total population of the qualified entity, based on the most recent census performed by the United States Census Bureau, or the total population of those areas for which the qualified entity actually provides fire protection or other emergency services, based on the most recent census performed by the United States Census Bureau.
  - (13) The total amount of the qualified entity's last calendar year budget, or last fiscal year budget if the qualified entity does not operate on a calendar year basis, that was spent on firefighting or emergency equipment or apparatus, including, without limitation, personal protective equipment.
- (b) Attachments to the loan application shall include the following:
- (1) Certified copy of the qualified entity's organizational documents, such as its constitution or articles of incorporation, or applicable statute or ordinance or other law creating the qualified entity.
  - (2) If operated by a governmental entity, a copy of the resolution of the legislative body of the unit creating the qualified entity.
  - (3) If the qualified entity is a nonprofit corporation, a copy of its bylaws and a certificate of existence from the corporations division of the office of the secretary of state of Indiana.
  - (4) A resolution of the governing body of the qualified entity authorizing the application for the loan, designation of authorized signatory, and execution of all documents necessary to the consummation of the loan.
  - (5) A verified financial statement of the qualified entity, signed by the chief financial officer, showing the income, expenses, assets, liabilities, and sources of income of the qualified entity as of the date of the application, and for the previous three (3) annual accounting periods.
  - (6) A copy of the contract, bid specifications, or proposal for purchase of the equipment and/or apparatus to be purchased with the loan proceeds.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-14-5; filed May 29, 1997, 2:40 p.m.: 21 IR 397; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 12-14-6 Loan priority rating system**

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 36-8-12-2

Sec. 6. The loan priority rating system shall consist of a point system based on the number of points allocated to the qualified entity using the following criteria:

- (1) The total assessed property tax value of the qualified entity, or the total assessed property tax value of those areas for which the qualified entity actually provides fire protection or other emergency services. A total of fifty (50) points shall be

allocated to this criterion as follows:

- (A) \$7,000,000 or less, 50 points.
- (B) \$7,000,001 to \$7,500,000, 47 points.
- (C) \$7,500,001 to \$8,000,000, 44 points.
- (D) \$8,000,001 to \$8,500,000, 41 points.
- (E) \$8,500,001 to \$9,000,000, 38 points.
- (F) \$9,000,001 to \$9,500,000, 35 points.
- (G) \$9,500,001 to \$10,000,000, 32 points.
- (H) \$10,000,001 to \$10,500,000, 29 points.
- (I) \$10,500,001 to \$11,000,000, 26 points.
- (J) \$11,000,001 to \$11,500,000, 23 points.
- (K) \$11,500,001 to \$12,000,000, 20 points.
- (L) \$12,000,001 to \$12,500,000, 17 points.
- (M) \$12,500,001 to \$13,000,000, 14 points.
- (N) \$13,000,001 to \$13,500,000, 11 points.
- (O) \$13,500,001 to \$14,000,000, 8 points.
- (P) \$14,000,001 to \$14,500,000, 5 points.
- (Q) \$14,500,001 to \$15,000,000, 2 points.
- (R) Over \$15,000,000, 0 points.

(2) The total population of the qualified entity, based on the most recent census performed by the United States Census Bureau, or the total population of those areas for which the qualified entity actually provides fire protection or other emergency services, based on the most recent census performed by the United States Census Bureau. A total of twenty (20) points shall be allocated to this criterion as follows:

- (A) 500 or less, 20 points.
- (B) 501–1,500, 19 points.
- (C) 1,501–2,500, 18 points.
- (D) 2,501–3,500, 17 points.
- (E) 3,501–4,500, 16 points.
- (F) 4,501–5,500, 15 points.
- (G) 5,501–6,500, 14 points.
- (H) 6,501–7,500, 13 points.
- (I) 7,501–8,500, 12 points.
- (J) 8,501–9,500, 11 points.
- (K) 9,501–10,500, 10 points.
- (L) 10,501–11,500, 9 points.
- (M) 11,501–12,500, 8 points.
- (N) 12,501–13,500, 7 points.
- (O) 13,501–14,500, 6 points.
- (P) 14,501–15,500, 5 points.
- (Q) 15,501–16,500, 4 points.
- (R) 16,501–17,500, 3 points.
- (S) 17,501–18,500, 2 points.
- (T) More than 18,500, 0 points.

(3) The total amount of the qualified entity's last calendar year budget, or last fiscal year budget if the qualified entity does not operate on a calendar year basis, that was spent on the acquisition of firefighting or emergency equipment or apparatus, including, without limitation, personal protective equipment. A total of thirty (30) points shall be allocated to this criterion as follows:

- (A) \$2,000 or less, 30 points.
- (B) \$2,001–\$3,000, 28 points.
- (C) \$3,001–\$4,000, 26 points.

- (D) \$4,001–\$5,000, 24 points.
- (E) \$5,001–\$6,000, 22 points.
- (F) \$6,001–\$7,000, 20 points.
- (G) \$7,001–\$8,000, 18 points.
- (H) \$8,001–\$10,000, 16 points.
- (I) \$10,001–\$12,000, 14 points.
- (J) \$12,001–\$14,000, 12 points.
- (K) \$14,001–\$16,000, 10 points.
- (L) \$16,001–\$18,000, 8 points.
- (M) \$18,001–\$20,000, 6 points.
- (N) \$20,001–\$22,000, 4 points.
- (O) \$22,001–\$24,000, 2 points.
- (P) More than \$24,001, 0 points.

*(Fire Prevention and Building Safety Commission; 675 IAC 12-14-6; filed May 29, 1997, 2:40 p.m.: 21 IR 397; errata filed Apr 15, 1998, 10:30 a.m.: 21 IR 3367; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

## **ARTICLE 13. BUILDING CODES**

### **Rule 1. Fire and Building Safety Standards**

#### **675 IAC 13-1-1 Fire safety standards (Expired)**

Sec. 1. *(Expired under IC 4-22-2.5, effective January 1, 2002.)*

#### **675 IAC 13-1-2 Building safety standards (Repealed)**

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Oct 2, 1989, 4:25 p.m.: 13 IR 293)*

#### **675 IAC 13-1-3 Availability of adopted matter**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 37-7

Sec. 3 (a) The documents adopted by reference in section 1 of this rule do not include any later amendments or editions.

(b) The documents adopted by reference in section 1 of this rule are available for purchase from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204, or from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269. *(Fire Prevention and Building Safety Commission; 675 IAC 13-1-3; filed May 17, 1985, 2:13 p.m.: 8 IR 1303; filed Oct 2, 1989, 4:25 p.m.: 13 IR 291; filed Mar 29, 2000, 11:39 a.m.: 23 IR 2001)*

#### **675 IAC 13-1-4 NFPA 11**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 4. (a) Standard for Low Expansion Foam, NFPA 11, 1994, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 11 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 11A, NFPA 11C, NFPA 16, NFPA 16A, NFPA 18, NFPA 24, NFPA 30, and NFPA 414.
- (2) ASTM E380.
- (3) AWS D10.9.

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(c) Delete the last sentence of section 1-2, and substitute to read as follows: For alternate materials, methods and design see the General Administrative Rules (675 IAC 12-6-11).

(d) Amend the following definitions in section 1-4 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(e) Add the following definitions to section 1-4 as follows: NFPA 70, National Electric Code means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

(f) Amend subsection 2-2.1.5 to read as follows: When solids of sufficient size to obstruct openings or damage the foam equipment might be present, strainers shall be provided. Hydrants furnishing the water supply for foam equipment shall be provided.

(g) Amend subsection 2-2.1.6 to read as follows: Water supply or premixed solution shall be protected against freezing.

(h) Amend subsection 2-3.2.1 to read as follows: Foam concentrates and equipment shall be stored in an accessible location not exposed to the hazard they protect. If housed, they shall be in a noncombustible structure. Off-premises supplies shall be of the proper type for use in the systems of the given installation. At the time of a fire, these off-premises supplies shall be accumulated in sufficient quantities, before placing the equipment in operation, to ensure uninterrupted foam production at the design rate for the required period of time.

(i) Amend subsection 2-3.2.5.1 to read as follows: The consumption rates shall be based on the percentage concentrate used in the system design (e.g., three percent (3%) or six percent (6%) or other, if so listed).

(j) Amend subsection 2-9.2.2 to read as follows: Operation shall be controlled by listed or approved mechanical, electrical, hydraulic, or pneumatic means.

(k) Delete the exception to subsection 2-9.2.3 without substitution.

(l) Amend subsection 2-9.2.5 to read as follows: Where automatic shutdown is required, an alarm condition shall remain until manually reset.

(m) Delete chapter 4 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(n) Delete subsection 5-3.4 in its entirety without substitution.

(o) Delete the exception to subsection 5-5.1 without substitution.

(p) Amend section 6-3 to read as follows: The completed system shall be tested by trained personnel. The tests shall be adequate to determine that the system has been properly installed, and that it functions as intended.

(q) Delete, in the last sentence of section 7-1, "competent" and substitute "trained".

(r) Delete chapter 8 in its entirety without substitution.

(s) Delete Appendix D in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-4; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Oct 2, 1989, 4:25 p.m.: 13 IR 291; filed Aug 15, 1997, 8:54 a.m.: 21 IR 91; readopted filed Dec 2, 2003, 11:30 a.m.: 27 IR 1299*)

**675 IAC 13-1-5 NFPA 12**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

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Sec. 5. (a) Standard on Carbon Dioxide Extinguishing Systems, NFPA 12, 1993, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 12 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 69 and NFPA 77.
- (2) ASTM A120 and ASTM E380.
- (3) ASME Code for Unfired Pressure Vessels.
- (4) Department of Transportation (DOT).
- (5) Code of Federal Regulations (CFR).
- (6) ANSI C2.
- (7) CSA C22.1.

(c) Delete the last sentence of section 1-2 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Amend the following definitions in subsection 1-3.1 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(e) Add the following definitions to read as follows: NFPA 70, National Electric Code means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

(f) Delete, in the first sentence of subsection 1-4.2.2, “properly” without substitution.

(g) Amend subsection 1-5.1.1 by:

- (1) deleting the third sentence; and
- (2) deleting the Note.

(h) Delete the last sentence of subsection 1-5.1.7 in its entirety without substitution.

(i) Delete subsections 1-6.1 and 1-6.2 and substitute the following: Plans and specifications shall be filed in accordance with the General Administrative Rules (675 IAC 12).

(j) Amend subsection 1-6.3 to read as follows: The completed system shall be tested. Only listed or approved equipment and devices shall be used in the system.

(k) Delete, in subsection 1-7.1.1, Exception No. 1 without substitution.

(l) Amend the first sentence of subsection 1-7.4 to read as follows: Supervision of automatic systems shall be provided.

(m) Delete subsection 1-8.1.2 in its entirety without substitution.

(n) Amend subsection 1-8.1.3 to read as follows: Both main and reserve supplies for fixed storage systems shall be permanently connected to the piping and arranged for easy changeover.

(o) Delete the NOTE in subsection 1-8.5.1 without substitution.

(p) Delete the last sentence of subsection 1-8.5.2 without substitution.

(q) Amend subsection 1-8.6.1 to read as follows: Pressure containers exceeding five (5) cubic feet in volume shall be made and marked in accordance with the rules of construction of the Boiler and Pressure Vessel Board (680 IAC 1-4-1 [680 IAC 1 was repealed filed Jan 5, 1996, 10:15 a.m.: 19 IR 1138. See 680 IAC 2.]). The design pressure shall be at least three hundred twenty-five

(325) psi (two thousand two hundred forty-one (2,241) kpa).

(r) Amend subsection 1-9.1 by deleting "ASTM-53" in two (2) places and substituting "ASTM A-53".

(s) Amend subsection 1-9.2 by adding a sentence to the end of the section to read as follows: The system shall be designed and installed to accommodate the seismic forces as required by the Indiana Building Code (675 IAC 13).

(t) Amend subsection 1-10.3.2 by deleting "competent" and substituting "trained".

(u) Amend subsection 1-10.3.4 by deleting "competent" and substituting "trained".

(v) Amend the last sentence of subsection 1-10.3.8 by deleting "competent" and substituting "trained".

(w) Amend subsection 2-3.2.2 by deleting "recognized" and substituting "approved".

(x) Delete the first sentence of subsection 2-4.2.2 without substitution.

(y) Delete subsection 3-2.1.1 in its entirety without substitution.

(z) Amend subsection 3-6.1.2 to read as follows: The system shall be designed for automatic operation.

(aa) Delete Chapter 4 in its entirety without substitution.

(bb) Amend subsection 5-1.1 to read as follows: A standpipe system is a fixed total flooding, local application, or hand hose line system without a permanently connected carbon dioxide supply.

(cc) Delete subsection 5-1.2 in its entirety without substitution.

(dd) Amend subsection 5-1.3 to read as follows: Standpipe systems shall be installed and maintained in accordance with the requirements in Chapters 1, 2, and 3.

(ee) Amend section 5-2 to read as follows: Standpipe systems may be used to protect hazards included in Chapters 1, 2, and 3.

(ff) Delete section 5-3 in its entirety without substitution.

(gg) Delete section 5-4 in its entirety without substitution.

(hh) Delete Chapter 6 in its entirety without substitution.

(ii) Delete Appendix B in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-5; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Oct 2, 1989, 4:25 p.m.: 13 IR 291; filed Aug 15, 1997, 8:54 a.m.: 21 IR 92; readopted filed Dec 2, 2003, 11:30 a.m.: 27 IR 1299*)

**675 IAC 13-1-6 NFPA 12A (Repealed)**

Sec. 6. (*Repealed by Fire Prevention and Building Safety Commission; filed Aug 15, 1997, 8:54 a.m.: 21 IR 104*)

**675 IAC 13-1-7 NFPA 12B (Repealed)**

Sec. 7. (*Repealed by Fire Prevention and Building Safety Commission; filed Aug 15, 1997, 8:54 a.m.: 21 IR 104*)

**675 IAC 13-1-8 NFPA 13; installation of sprinkler systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 8. (a) Standard for the Installation of Sprinkler Systems, NFPA 13, 1999, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) NFPA 11A, NFPA 22, NFPA 24, NFPA 40, NFPA 86C, NFPA 214, and NFPA 703 are not adopted, are not enforceable, and are referenced for information purposes only.

(c) Amend section 1-2 to read as follows: 1-2 Purpose. The purpose of this standard is to provide a reasonable degree of protection for life and property from fire through standardization of design, installation, and testing requirements for sprinkler systems based upon sound engineering principles, test data, and field experience. For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete section 1-3 in its entirety.

(e) Amend the following definitions in subsection 1-4.1 to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests

conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

**AUTHORITY HAVING JURISDICTION** means the state building commissioner, the state fire marshal, or an officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

**LISTED** means equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(f) Add the following definitions to subsection 1-4.1 to read as follows:

**BUILDING CODE** is the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

**FIRE CODE** is the fire code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

**LABELED.** Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

**NFPA 70** means the Indiana Electrical Code (675 IAC 17).

**NFPA 72** means the National Fire Alarm Code (675 IAC 22-2.2-17).

(g) Amend the following definitions in subsection 1-4.2 to read as follows:

**DWELLING UNIT** means any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by the Indiana Building Code (675 IAC 13), for not more than one (1) family, or a congregate residence for ten (10) or fewer persons. For purposes of this standard, dwelling unit includes hotel rooms, dormitory rooms, apartments, condominiums, sleeping rooms in nursing homes, and similar living units.

**SHOP WELDED.** As used in this standard, shop, in the term shop welded, means either of the following:

(1) At a sprinkler contractors' or fabricators' premises.

(2) In an area specifically designed for such work, such as a detached outside location, maintenance shop, or other area of noncombustible or fire-resistive construction free of combustible and flammable contents and segregated from adjacent areas.

(h) Amend the following definition in subsection 1-4.8 as follows: **SHELF-STORAGE** means storage on shelves less than thirty (30) inches (seven hundred sixty-two (62) [*sic.*] millimeters) deep with the distance between shelves not exceeding three (3) feet (nine hundred fourteen (914) millimeters) vertically. There shall be a minimum of thirty (30) inches (seven hundred sixty-two (762) millimeters) aisle width between shelf rows.

(i) Delete the last sentence of subsection 1-6.2.

(j) Delete sections 2-2.3 through 2-2.4.3.

(k) Amend Exception No. 3 in subsection 3-8.1.1 to read as follows: A nonindicating valve, such as an underground gate valve with an approved roadway box complete with T-wrench, acceptable to the water purveyor shall be permitted.

(l) Amend subsection 3-9.1 to read as follows: The fire department connection(s) shall be internal threaded swivel fitting(s) having threads compatible with those of the local fire department.

(m) Delete subsection 4-5.1.

(n) Amend the first sentence of subsection 4-6.1.6 to read as follows: Materials added to water shall not adversely affect the fire fighting properties of the water.

(o) Amend subsection 4-9.1 to read as follows: In cooking areas protected by automatic sprinklers, additional sprinklers or automatic spray nozzles shall be provided to protect commercial-type ventilation systems that are designed to carry away grease-laden vapors as required by the Indiana Mechanical Code (675 IAC 18).

(p) Delete subsection 4-9.8.3 and substitute as follows: See the Indiana Mechanical Code (675 IAC 18) for shut off requirements.

(q) Amend subsection 5-2 by deleting "NFPA Standards" in two (2) places and substituting "rules of the commission as applicable".

(r) Amend subsection 5-4.5.1 by inserting ", sleeping rooms in health care facilities" after the words "dwelling units".

(s) Amend subsection 5-4.6.3 to read as follows: ESFR sprinklers shall be permitted for use in buildings with unobstructed

or obstructed construction. Where depths of the solid structural members (beams, stems, etc.) exceed twelve (12) inches (three hundred four (304) mm). ESFR sprinklers shall be installed in each channel formed by the solid structural members. Minimum sprinkler spacing and area coverage shall comply with 5-11.2.3 and 5-11.3.4.

(t) Delete Exception 1 in subsection 5-5.6.

(u) Delete the Exception in subsection 5-6.6.

(v) Delete the Exception in subsection 5-8.6.

(w) Amend subsection 5-13.4 Exception 2(b) by deleting “NFPA 101 Life Safety Code” and substituting “applicable rules of the Commission”.

(x) Amend the exception to subsection 5-13.6.3 to read as follows: Exception: Sprinklers are not required at the tops of noncombustible hoistways of passenger elevators whose car enclosure materials meet the requirements of the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

(y) Delete the second sentence of subsection 5-14.2.6.1.

(z) Amend subsection 5-15.5.1.1 in two (2) places:

(1) delete “lines” and substitute “connections”.

(2) after the words “Hose System”, add “675 IAC 13”.

(aa) Amend subsection 5-16.1 by adding “675 IAC 22-2.2-6” after “materials”.

(bb) Delete sections 5-17 and 5-18 without substitution.

(cc) Amend subsection 5-19.1 by adding “675 IAC 22-2.2-10” after “Processes”.

(dd) Delete section 5-20 without substitution.

(ee) Amend section 5-21 by adding “675 IAC 13” in two (2) places:

(1) in 5-21.1 after “equipment”; and

(2) in 5-21.2 after “NFPA 82” and before “shall be used”.

(ff) Delete section 5-22 without substitution.

(gg) Delete sections 5-23, 5-24, 5-25, 5-26, 5-27, 5-28, 5-29, 5-30, and 5-31 without substitution.

(hh) Amend subsection 6-1.1 as follows:

(1) Add to the second line of Exception 1 after “engineer” and before “to”, the following: “or architect”.

(2) Delete, in the last paragraph of Exception 1, “when required by the reviewing authority” and substitute to read as follows: to the office of the state building commissioner as required by the General Administrative Rules (675 IAC 12-6).

(ii) Amend subsection 6-3.3.1.2 by deleting the words “by the authority having jurisdiction” from the exception.

(jj) Amend the first sentence of subsection 6-4.1 to read as follows: Sprinkler systems shall be protected to prevent pipe breakage where subject to earthquakes in accordance with the requirements of 6-4 and the Indiana Building Code (675 IAC 13) except where alternative methods of providing earthquake protection of sprinkler systems is based on a dynamic seismic analysis certified by a design professional, such that system performance will be at least equal to that of the building structure under expected seismic forces.

(kk) Delete the exception in subsection 6-4.5.6 without substitution.

(ll) Amend the subsection 6-4.5.8 as follows:

(1) Amend the exception to read as follows: Exception: Other pipe schedules and materials not specifically included in Table 6-4.5.8 shall be permitted to be used if certified by a registered professional engineer or architect to support the loads determined in accordance with the above criteria. Calculations shall be submitted to the office of the state building commissioner as required by the General Administrative Rules (675 IAC 12-6).

(2) In Table 6-4.5.8, change the second slenderness ratio for pipe (Schedule 40) from 200 to 100.

(mm) Amend subsection 6-4.5.9 Exception 2 to read as follows: Other fastening methods are acceptable for use if certified by a registered professional engineer or architect to support the loads determined in accordance with the criteria in 6-4.5.9.

(nn) Amend subsection 7-9.2.2 as follows:

(1) After the last word “criteria”, insert “, but not less than to provide a minimum of .01 gpm/per sq ft over the design area”.

(2) Add an exception to read as follows: Exception: For modification or alteration to existing systems equipped with residential sprinklers, the listed discharge criteria shall be permitted to be used.

(oo) Amend subsection 7-9.4.1 by deleting “NFPA Standards” and substituting “rules of the Fire Prevention and Building Safety Commission”.

(pp) Amend subsection 7-9.4.2.1 by deleting “NFPA standards” and substituting “rules of the Fire Prevention and Building

Safety Commission”.

(qq) Amend subsection 7-9.4.2.2 by deleting from the last sentence “NFPA Standards” and substituting “rules of the Fire Prevention and Building Safety Commission”.

(rr) Amend subsection 7-9.5.1 by deleting “NFPA Standards” and substituting “rules of the Fire Prevention and Building Safety Commission”.

(ss) Delete subsections 7-10.1 and 7-10.2 and substitute the following:

(1) Flammable and combustible liquids: See Article 79 in the Indiana Fire Code (675 IAC 22-2.2).

(2) Aerosol products: See Article 88 in the Indiana Fire Code (675 IAC 22-2.2).

(tt) Amend subsection 7-10.3.1 by adding “675 IAC 22-2.2-6” after “Materials”.

(uu) Delete subsections 7-10.4, 7-10.5, 7-10.6, and 7-10.7 without substitution.

(vv) Amend subsection 7-10.8.1 by adding “675 IAC 22-2.2-10” after “Processes”.

(ww) Amend subsection 7-10.9.1 by adding “675 IAC 22-2.2-11” after “Plants”.

(xx) Amend subsection 7-10.9.2 to read as follows: The need for automatic water spray system protection for acetylene cylinder charging manifolds and cylinder storage areas shall be determined by the building code (675 IAC 13). Where automatic water spray systems are installed, they shall be in accordance with NFPA 15, Standard for Water Spray Fixed Systems for Fire Protection (675 IAC 22-2.2-4).

(yy) Delete subsection 7-10.10 in its entirety without substitution.

(zz) Amend subsection 7-10.11.1 by adding “675 IAC 22-2.2-15” after “Plants”.

(aaa) Amend subsection 7-10.12.1 by adding “675 IAC 22-2.2-16” after “Gas”.

(bbb) Amend subsection 7-10.13.1 to read as follows: Ventilation control and Fire Protection of Commercial Cooking Operations shall be in accordance with the Indiana Mechanical Code (675 IAC 18).

(ccc) Delete sections 7-10.14, 7-10.15, 7-10.16, 7-10.17, 7-10.18, 7-10.19, 7-10.20, 7-10.21, 7-10.22, 7-10.23, 7-10.24, 7-10.25, 7-10.26, and 7-10.27 without substitution.

(ddd) Delete section 8-1 in its entirety and substitute to read as follows: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(eee) Amend subsection 8-4.1 by deleting from the last sentence “standards” and substituting “rules of the Fire Prevention and Building Safety Commission”.

(fff) Amend the footnote to Table 8-4.4.5 by deleting “is permitted to consider” and substituting “may approve”.

(ggg) Amend section 8-6 to read as follows: Open sprinkler and deluge systems shall be hydraulically calculated.

(hhh) Amend subsection 9-1.7 to read as follows: Where meters are provided, they shall be listed.

(iii) Amend subsection 9-1.8 to read as follows: Where equipment is installed to guard against possible contamination of the water supply system, such equipment and devices shall be listed for fire protection service.

(jjj) Amend subsection 9-2.1 to read as follows: A connection to a water purveyors distribution system shall be an acceptable water supply source. The volume and pressure of a public water supply shall be determined from waterflow test data.

(kkk) Amend subsection 9-2.3.1.1 to read as follows: An approved pressure tank shall be an acceptable water supply source.

(lll) Amend subsection 9-2.4 to read as follows: An approved elevated tank shall be an acceptable water supply source.

(mmm) Amend section 10-1(1) to read as follows: Notify the owner’s representative of the time and date testing will be performed.

(nnn) Amend the Contractors’ Material and Test Certificate for Aboveground Piping as follows:

(1) Delete from the second paragraph of Procedure “approving authorities” in two (2) places.

(2) Delete the Plans category.

(ooo) Amend the Contractors’ Material and Test Certificate for Underground Piping as follows:

(1) Delete from the second paragraph of Procedure “approving authority” in two (2) places.

(2) Delete the Plans category.

(ppp) Delete Chapter 11 in its entirety.

(qqq) Amend section 12-1 by deleting everything after the words “Protection Systems” and substitute “675 IAC 22-2.2-5”.

(rrr) Delete Chapter 13 in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-8; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Oct 2, 1989, 4:25 p.m.: 13 IR 291; filed Aug 15, 1997, 8:54 a.m.: 21 IR 94; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1166; filed Nov 25, 2002, 9:10 a.m.: 26 IR 1095*)

**675 IAC 13-1-9 NFPA 14**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9. (a) Standard for the Installation of Standpipe, Private Hydrant, and Hose Systems, NFPA 14, 2000, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 14 are not adopted, are not enforceable, and are referenced for information purposes only:

(1) NFPA 22.

(2) ASTM E380.

(c) Amend section 1-2 to read as follows: The purpose of this standard is to provide a reasonable degree of protection for life and property from fire through standardization of design, installation, and testing requirements for standpipe systems based upon sound engineering principles, test data, and field experience. For alternate methods, materials, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete the exception in section 1-3 without substitution.

(e) Amend the following definitions in section 1-4 to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(f) Add the following definition to section 1-4: 1-4.15.1 NFPA 13; Installation of sprinkler systems means 675 IAC 13-1-8.

(g) Amend subsection 2-5, Exception No. 3 to read as follows: A nonindicating valve, such as an underground gate valve with approved roadway box complete with T-wrench, approved by the authority having jurisdiction.

(h) Amend subsection 2-6.1.3 to read as follows: Where a fire-resistive assembly is penetrated by a cabinet, the fire resistance of the assembly shall be maintained.

(i) Delete subsection 2-6.2.1 without substitution.

(j) Amend subsection 2-7, Exception to read as follows: Where the local fire department uses fittings different from those specified, fittings compatible with the local fire department equipment shall be used.

(k) Amend subsection 2-8-2, Exception to read as follows: Where the local fire department uses fittings different from those specified, fittings compatible with local fire department equipment shall be used.

(l) Amend subsection 2-9.2, Exception to read as follows: Where the local fire department uses fittings different from those specified, fittings compatible with the local fire department equipment shall be used.

(m) Delete subsection 3-1.1 in its entirety without substitution.

(n) Delete subsection 3-1.3 without substitution.

(o) Amend subsection 3-7.1 to read as follows: For automatic or semiautomatic systems, listed water flow alarms shall be provided.

(p) Amend subsection 5-3.2(f) to read as follows: (f) Where the most remote portion of a nonsprinklered floor or story exceeds one hundred fifty (150) feet (forty-five (45) meters) of travel distance from a required exit or the most remote portion of a sprinklered floor or story exceeds two hundred (200) feet (sixty-one (61) meters) of travel distance from a required exit, additional hose connections shall be provided in approved locations.

(q) Delete the first two (2) sentences of section 5-7 and substitute to read as follows: Standpipe systems shall be designed so that the system demand can be supplied by both the attached water supply and fire department connections.

EXCEPTION: Manual standpipe systems shall be designed so that the system demand can be supplied by the fire department

connections.

(r) Delete Exception No. 1 and Exception No. 2 to section 5-7(1) without substitution.

(s) Amend the last sentence of the exception to subsection 5-9.1.3.1 to read as follows: The flow rate required for the standpipe demand of a combined system in a building protected throughout by an automatic sprinkler system need not exceed one thousand (1,000) gpm (three thousand seven hundred eighty-five (3,785) L/min).

(t) Delete subsection 5-9.1.3.3 in its entirety without substitution.

(u) Delete the exception to subsection 5-10.2 without substitution.

(v) Amend the exception to subsection 5-11.1 to read as follows: Where the local fire department uses fittings different from those specified, fittings compatible with the local fire department equipment shall be used.

(w) Delete the exception to subsection 5-12.2 without substitution.

(x) Amend subsection 5-13.1 to read as follows: See local ordinance.

(y) Delete the exception to 5-13.1 without substitution.

(z) Delete subsection 5-15.2 without substitution.

(aa) Delete Chapter 6 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(bb) Amend subsection 7-1.2(2) to read as follows: Automatic fire pumps connected to an approved water source in accordance with NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection (675 IAC 13-1-10).

(cc) Amend the last sentence of subsection 7-4.3 to read as follows: This means shall be in the form of high-level water storage with additional pumping equipment.

(dd) Amend subsection 9-2.1 to read as follows: Underground piping supplying the system shall be flushed in accordance with NFPA 13 (675 IAC 13-1-8).

(ee) Amend the last sentence of subsection 9-4.1 to read as follows: Underground pipe shall be tested in accordance with NFPA 13 (675 IAC 13-1-8).

(ff) Amend subsection 9-7 to read as follows: Each alarm and supervisory device provided shall be tested in accordance with NFPA 72, National Fire Alarm Code (675 IAC 22-2.2-17).

(gg) Amend the Contractor's Material and Test Certificate for Aboveground Piping Standpipe System NFPA 14 by:

(1) changing in the Procedure section "approving authorities" in two (2) places to read "authority having jurisdiction";

(2) changing in the Plans section "Accepted By Approving Authority(s) (Names) Address" to read as follows: state building commissioner Project Number; and

(3) deleting "For Approving Authorities" in the third line of "System Operating Test Witnessed By" section.

(hh) Amend the Contractors Material and Test Certificate for Underground Piping by:

(1) changing in the Procedure section "approving authorities" in two (2) places to read authority having jurisdiction; and

(2) changing in the Plans section "Accepted By Approving Authority(s) (Names) Address" to read as follows: state building commissioner Project Number.

(ii) Amend subsection 9-8(2) to read as follows: A copy of NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (675 IAC 22-2.2-5).

(jj) Delete Chapter 10 and substitute to read as follows: For buildings under construction, see the Indiana Fire Code (675 IAC 22).

(kk) Delete Chapter 11 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-9; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Aug 15, 1997, 8:54 a.m.: 21 IR 96; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1170*)

**675 IAC 13-1-9.5 NFPA 17**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9.5. (a) Standard for Dry Chemical Extinguishing Systems, NFPA 17, 1994, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 17 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 30 and NFPA 121.

- (2) ASTM E380.
- (3) DOT (U.S. Department of Transportation).
- (4) TC (Transport Canada).
- (5) ANSI C-2.
- (6) Code of Federal Regulations.

(c) Delete the last sentence of section 1-2 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete section 1-3 in its entirety without substitution.

(e) Amend the following definitions in section 1-4 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(f) Add the following definitions to section 1-4 to read as follows: NFPA 70 means the Indiana Electrical Code (675 IAC 17).

TESTING LABORATORY means an independent nationally recognized testing laboratory or other organization listed in the General Administrative Rules (675 IAC 12-6-11).

(g) Delete section 2-2 in its entirety without substitution.

(h) Amend section 2-6.1 to read as follows: The type of dry chemical used in the system shall not be changed unless proved to be changeable by a testing laboratory and recommended by the manufacturer of the equipment. Systems are designed on the basis of the flow and extinguishing characteristics of a specific make and type of dry chemical.

CAUTION: Types of dry chemicals shall not be mixed. Mixtures of certain dry chemicals will generate dangerous pressures and will form lumps.

(i) Delete in section 2-9 the first two (2) sentences.

(j) Delete subsection 3-7.2 in its entirety without substitution.

(k) Delete Chapter 6 in its entirety without substitution.

(l) Delete the note to subsection 7-3.2 and substitute as follows: For other specific details, see the Indiana Mechanical Code (675 IAC 18).

(m) Delete subsection 7-3.4.2 in its entirety without substitution.

(n) Delete the exception to subsection 7-5.3.

(o) Delete section 7-6 in its entirety without substitution.

(p) Delete sections 8-1 and 8-2 and substitute to read as follows: Plans and specifications shall be filed in accordance with the General Administrative Rules (675 IAC 12).

(q) Delete subsection 8-3.1 in its entirety without substitution.

(r) Amend section 8-4 by deleting "qualified" and substituting "trained".

(s) Amend subsection 8-4.2 by deleting the second sentence and the exception without substitution.

(t) Delete Chapter 10 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-9.5; filed Aug 15, 1997, 8:54 a.m.: 21 IR 98; readopted filed Dec 2, 2003, 11:30 a.m.: 27 IR 1299*)

**675 IAC 13-1-9.6 NFPA 17A**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14, IC 22-15; IC 36-7

Sec. 9.6. (a) Standard for Wet Chemical Extinguishing Systems, NFPA 17A, 1994, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 17A are not adopted, are not enforceable, and are for information purposes only:

- (1) ASTM E380.
- (2) DOT (U.S. Department of Transportation).
- (3) TC (Transport Canada).

(c) Delete the last sentence of section 1-2 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete section 1-2.1 and substitute to read as follows: Only persons trained in the design, installation, and servicing of pre-engineered wet chemical systems shall design, install, and service pre-engineered wet chemical systems.

(e) Delete section 1-3 in its entirety without substitution.

(f) Amend the following definitions in subsection 1-4.1 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction is the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(g) Add the following definition to subsection 1-4.1 to read as follows: NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(h) Delete the note to subsection 2-4.2.1.

(i) Amend subsection 2-7.1 by deleting "or the requirements of the authority having jurisdiction".

(j) Amend subsection 3-4.2 to read as follows: The wet chemical container and expellant gas assemblies shall be located so as not to be subjected to severe weather conditions or to mechanical, chemical, or other damage. Where excessive climatic or mechanical exposures are expected, suitable enclosures or guards shall be provided.

(k) Delete subsection 3-6.1.1 in its entirety without substitution.

(l) Delete subsections 4-1 and 4-2 and substitute to read as follows: Plans and specifications shall be filed in accordance with the General Administrative Rules (675 IAC 12).

(m) Delete Chapter 6 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-9.6; filed Aug 15, 1997, 8:54 a.m.: 21 IR 99; readopted filed Dec 2, 2003, 11:30 a.m.: 27 IR 1299*)

#### **675 IAC 13-1-10 NFPA 20; installation of stationary pumps for fire protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 10. (a) Standard for the Installation of Stationary Pumps for Fire Protection, NFPA 20, 1999, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 20 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 24, and NFPA 110.
- (2) Hydraulic Institute Standards for Centrifugal, Rotary, and Reciprocating Pumps.
- (3) NEMA Standards.
- (4) SAE Standards, J-1349.
- (5) ANSI/IEEE C62.1, C62.11, C62.41.
- (6) ASTM-E.380.

(c) Delete the last sentence of subsection 1-2.1 and substitute to read as follows: For alternate methods, materials, and design,

see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete subsection 1-2.2 in its entirety without substitution.

(e) Delete subsection 1-4.3 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12-6).

(f) Delete subsection 1-5 without substitution.

(g) Change the last sentence of section 1-7 to read as follows: The purchaser shall furnish this data to the authority having jurisdiction when requested.

(h) Amend the following definitions in section 1-8 to read as follows:

APPROVED means, as to materials, equipment, and types of construction, accepted by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection or production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(i) Add the following definitions to section 1-8 to read as follows:

NFPA 13, Installation of Sprinkler Systems means 675 IAC 13-1-8.

NFPA 70, National Electrical Code means the Indiana Electrical Code (675 IAC 17).

TESTING LABORATORY means an independent nationally recognized testing laboratory or other organization listed in the General Administrative Rules (675 IAC 12-6-11).

(j) Delete, in section 1-8, the definition of Aquifer.

(k) Delete subsection 1-8.1 in its entirety without substitution.

(l) Delete subsection 2-1.1 in its entirety without substitution.

(m) Delete subsection 2-1.2 in its entirety without substitution.

(n) Amend subsection 2-2.3 to read as follows: Dual-drive pump units shall not be used.

(o) Delete, in section 2-3, the last sentence of the first paragraph.

(p) Amend Exception No. 2 to subsection 2-7.1.1 to read as follows: In buildings protected with an automatic sprinkler system installed in accordance with NFPA 13 (675 IAC 13-1-8), the separation requirement may be reduced to 1-hour fire-rated construction.

(q) Amend subsection 2-8.4 to read as follows: Torch-cutting or welding in the pump house shall be permitted as a means of modifying or repairing pump house piping when it is performed in accordance with NFPA 51B (675 IAC 22-2.2-12).

(r) Amend Exception No. 2 to subsection 2-9.9(a) to read as follows: Check valves and backflow prevention devices and assemblies shall be permitted where required by the water purveyor.

(s) Amend the last sentence of subsection 2-10.2 to read as follows: All pump discharge pipe shall be hydrostatically tested in accordance with NFPA 13 (675 IAC 13-1-8).

(t) Amend subsection 2-14.3.2 to read as follows: Hose valve(s) shall have threads that are compatible with the local fire department hose threads.

(u) Delete subsection 2-14.3.2, Exception without substitution.

(v) Delete subsection 2-21.4 without substitution.

(w) Delete subsection 2-22.1 and substitute to read as follows: The fire pump, driver, diesel fuel tank, and the fire pump controller shall resist lateral loads as required by the Building Code (675 IAC 13).

(x) Amend subsection 4-2.1.1 to read as follows: The water supply shall be in accordance with Chapter 4.

(y) Amend subsection 4-2.1.2 by deleting "satisfactory" in two (2) places.

(z) Amend the third sentence of subsection 4-2.7 to read as follows: The test shall be witnessed by a representative of the customer and contractor as required.

(aa) Amend subsection 4-3.3.2 by deleting "suitable" and substituting "approved".

(bb) Amend the first sentence of subsection 4-4.2 to read as follows: The driver shall be screened or enclosed and protected

against tampering.

(cc) Amend the first and second sentences of subsection 4-5.1.3.1 to read as one (1) sentence as follows: Gear drives and flexible connecting shafts shall be of the vertical hollow-shaft type.

(dd) Amend subsection 7.5.4 by deleting from the exception “or where the authority having jurisdiction has required manual shutdown”.

(ee) Delete section 7-7 without substitution.

(ff) Amend subsection 7-8.1.1 by deleting “by the authority having jurisdiction”.

(gg) Amend subsection 8-1.2 to read as follows: Spark-ignited internal combustion engines shall not be used. This restriction shall not be interpreted to exclude gas turbine engines as future pump drivers.

(hh) Delete subsection 8-4.1 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(ii) Amend the first sentence of subsection 8-4.5 to read as follows: Diesel fuel supply tanks shall be located aboveground in accordance with the Indiana Fire Code (675 IAC 22) and shall not be buried.

(jj) Amend the exception to subsection 9-5.2.6 to read as follows: Automatic shutdown shall not be permitted where the pump constitutes the sole source of supply of a fire sprinkler or standpipe system.

(kk) Delete subsection 9-6.7.4 without substitution.

(ll) Amend the last sentence of subsection 9-6.13 to read as follows: Manual shutdown shall also be provided.

(mm) Delete the text in subsection 11-2.2 in its entirety and substitute to read as follows: The fire department shall be notified a minimum of twenty-four (24) hours prior to the test.

(nn) Delete subsection 11-3.2 without substitution.

(oo) Delete section 11-5 without substitution.

(pp) Delete Chapter 12 in its entirety without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-1-10; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Apr 5, 1988, 3:05 p.m.: 11 IR 2868; filed Aug 15, 1997, 8:54 a.m.: 21 IR 100; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1172; filed Nov 25, 2002, 9:10 a.m.: 26 IR 1098)*

**675 IAC 13-1-11 NFPA 71 (Repealed)**

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 29, 2000, 11:39 a.m.: 23 IR 2001)*

**675 IAC 13-1-12 NFPA 72A (Repealed)**

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

**675 IAC 13-1-12.1 NFPA 72 (Repealed)**

Sec. 12.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 13-1-13 NFPA 72B (Repealed)**

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

**675 IAC 13-1-14 NFPA 72C (Repealed)**

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

**675 IAC 13-1-15 NFPA 72D (Repealed)**

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

**675 IAC 13-1-16 NFPA 72E (Repealed)**

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 29, 2000, 11:39 a.m.: 23 IR 2001)*

**675 IAC 13-1-17 NFPA 96 (Repealed)**

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1992, 5:00 p.m.: 16 IR 62, eff Nov 1, 1992)*

**675 IAC 13-1-18 NFPA 231 (Repealed)**

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Jun 24, 1998, 5:43 p.m.: 21 IR 4212)*

**675 IAC 13-1-19 NFPA 231C (Repealed)**

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Jun 24, 1998, 5:43 p.m.: 21 IR 4212)*

**675 IAC 13-1-20 NFPA 56F (Repealed)**

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Oct 6, 1987, 3:00 pm: 11 IR 787)*

**675 IAC 13-1-21 NFPA 61B**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 21. (a) Standard for the Prevention of Fires and Explosions in Grain Elevators and Facilities Handling Bulk Raw Agricultural Commodities 1989 (NFPA 61B-1989). Chapter 13 and Appendix D of this document are deleted in their entirety.

(b) When reference is made to the following documents within NFPA 61B such reference is for information purposes only:

(1) NFPA 30-1987, NFPA 31-1987, NFPA 54-1988, NFPA 69-1986, NFPA 80-1986, NFPA 91-1983, NFPA 490-1986, NFPA 496-1989, NFPA 505-1987, NFPA 68-1988, NFPA 77-1988, NFPA 220-1985, NFPA 255-1984, NFPA 601-1986, and NFPA 650-1984.

(2) ANSI B56.1.

(3) Factory Mutual Approval Standard for Electrical Battery Powered Industrial Trucks, Types E and EE, Factory Mutual Approval Standard for Gasoline or Diesel Engine Powered Industrial Trucks, Types G, GS, D, or DS, Factory Mutual Approval Standard for LP-Gas Engine Powered Industrial Trucks, Types LP and LPS.

(4) NGFA Emergency Preplanning and Fire Fighting Manual—A Guide for Grain Elevator Operators and Fire Department Officials, 1987.

(5) U.L. 558-1984 and U.L. 583-1986.

(c) Documents listed in subsection (b) are:

(1) not adopted as part of this rule; and

(2) not enforceable as part of this rule.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-1-21; filed Sep 5, 1986, 9:22 a.m.: 10 IR 16; filed Oct 2, 1989, 4:25 p.m.: 13 IR 293; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 13-1-22 NFPA 82**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-4; IC 36-7-8-3

Sec. 22. Standard on Incinerators, Waste and Linen Handling Systems and Equipment 1983 (NFPA 82-1983). Appendix A of this document is deleted in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-22; filed Sep 5, 1986, 9:22 am; 10 IR 16; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 13-1-23 NFPA 664 (Repealed)**

Sec. 23. (*Repealed by Fire Prevention and Building Safety Commission; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3932*)

**675 IAC 13-1-24 NFPA 72F (Repealed)**

Sec. 24. (*Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993*)

**675 IAC 13-1-25 NFPA 13R**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 25. (a) Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and including Four Stories in Height, NFPA 13R, 1999, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) Delete the last paragraph of section 1-2 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(c) Amend the following definitions in section 1-3 to read as follows:

APPROVED, as to materials, equipment, and types of construction, refers to acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

DWELLING UNIT is any building or portion thereof that contains living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by the Indiana Building Code (675 IAC 13), for not more than one (1) family, or a congregate residence for ten (10) or less persons.

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

RESIDENTIAL OCCUPANCIES. Residential occupancies, as included in the scope of this standard, include the following:

- (1) Apartment buildings.
- (2) Lodging and rooming houses.
- (3) Board and care facilities.
- (4) Hotels, motels, and dormitories.

(d) Delete subsection 2-1.1 and substitute as follows: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(e) Amend subsection 2-1.2.1 to read as follows: The installer shall perform all required acceptance tests (see 2-1.3), and complete the Contractor's Material and Test Certificate(s) (see Fig. 2-1.2.1). The certificate(s) shall be available to the authority having jurisdiction upon request.

(f) Delete subsection 2-1.2.2 in its entirety without substitution.

(g) Amend subsection 2-3.2 to read as follows: The following water supply sources are acceptable:

- (1) A connection to the water purveyors distribution system with or without a booster pump, as required.
- (2) An elevated tank.
- (3) An approved pressure tank.
- (4) A stored water source with an automatically operated pump, installed in accordance with NFPA 20, Standard for the Installation of Centrifugal Fire Pumps, 675 IAC 13-1-10.

(h) Amend the Contractor's Material and Test Certificate for aboveground piping as follows:

- (1) Delete, in the second paragraph of Procedure, "approving authorities" in two (2) places.
- (2) Delete the Plans category.

(i) Amend section 2-7 by adding "(675 IAC 22-2.2-5)" after the words "Protection Systems".

(j) Delete Chapter 3 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-25; filed Feb 21, 1990, 1:00 p.m.: 13 IR 1165; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; filed Aug 15, 1997, 8:54 a.m.: 21 IR 102; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1174*)

**675 IAC 13-1-26 NFPA 31; standard for the installation of oil burning equipment (Repealed)**

Sec. 26. (*Repealed by Fire Prevention and Building Safety Commission; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1754*)

**675 IAC 13-1-27 NFPA 37; standard for the installation and use of stationary combustion engines and gas turbines**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 27. (a) NFPA 37, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines, 1990 edition is hereby adopted by reference. Chapter 10 and Appendix A of this document are deleted.

(b) When reference is made to the following documents within NFPA 37, such reference is for information purposes only and is not enforceable:

- (1) NFPA 10, NFPA 30, NFPA 54, NFPA 58, NFPA 68, NFPA 70, NFPA 101, NFPA 211, NFPA 220, and NFPA 850.
- (2) ANSI B133.6, ANSI/ASME B31.1.
- (3) API 650.
- (4) SAE Standard J1349.
- (5) ASME Boiler and Pressure Vessel Code.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-1-27; filed Sep 18, 1990, 3:21 p.m.: 14 IR 287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 13-1-28 NFPA 2001**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 28. (a) Standard on Clean Agent Fire Extinguishing Systems, NFPA 2001, 1994, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 2001 are not adopted, are not enforceable, and are for information purposes only:

- (1) ANSI C2.
- (2) ASME Boiler and Pressure Vessel Code.
- (3) CGA C-6.
- (4) UL 1058.
- (5) ULC S524.
- (6) ULC S529.
- (7) Code of Federal Regulations (CFR).
- (8) ASTM E380 and ASTM A120.

- (9) NFPA 77.
- (10) CAN/ULC S529-M87 and CAN/ULC S524-M86.
- (11) Compressed Gas Association Pamphlet C-6.
- (12) U.S. Department of Transportation (DOT).
- (13) Canadian Transport Commission (CTC).
- (14) CAN 3 A234.1-79.

(c) Delete the last sentence of subsection 1-2.1 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Amend the following definitions in subsection 1-3.1 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(e) Add the following definitions to subsection 1-3.1 as follows: NFPA 70, National Electrical Code means the Indiana Electrical Code (675 IAC 17).

TESTING LABORATORY means an independent nationally recognized testing laboratory or other organization listed in the General Administrative Rules (675 IAC 12-6-11).

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

(f) Amend subsection 1-4.2.5 to read as follows: Clean agents shall not be used on fires involving the following materials:

- (1) Certain chemicals or mixtures of chemicals, such as cellulose, nitrate, and gunpowder, that are capable of rapid oxidation in the absence of air.
- (2) Reactive metals, such as lithium, sodium, potassium, magnesium, titanium, zirconium, uranium, and plutonium.
- (3) Metal hydrides.
- (4) Chemicals capable of undergoing autothermal decomposition, such as certain organic peroxides and hydrazine.

(g) Delete subsection 2-1.1.2 in its entirety without substitution.

(h) Amend subsection 2-1.4.3 to read as follows: The design pressure shall be suitable for the maximum pressure developed at one hundred thirty degrees Fahrenheit (130 °F) (fifty-five degrees Celsius (55 °C)) or at the maximum controlled temperature limit.

(i) Delete subsection 2-1.4.4 in its entirety without substitution.

(j) Amend subsection 2-2.1.3 to read as follows: Pipe identification shall not be painted over or removed.

(k) Amend subsection 2-2.3.2 to read as follows: Cast-iron fittings and Class 150 lb fittings shall not be used.

(l) Amend subsection 2-2.5.2 to read as follows: Approved corrosion-resistant materials or coatings shall be required in corrosive atmospheres.

(m) Amend subsection 2-3.1.2 to read as follows: Automatic detection and automatic actuation shall be used.

(n) Delete subsections 3-1.1, 3-1.2.1, 3-1.2.2, 3-1.2.3, 3-1.2.4, 3-1.2.5.2, 3-1.2.5.3, and 3-1.3 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(o) Amend subsection 3-2.1 to read as follows: System flow-calculations shall be performed using a calculation method listed. The system design shall be within the manufacturer's listed limitations.

EXCEPTION: Pre-engineered systems do not require a flow calculation where used within their listed limitations.

(p) Delete subsection 3-2.4 in its entirety without substitution.

(q) Amend subsection 3-3.2 to read as follows: The area of unclosable openings shall be kept to a minimum.

(r) Amend subsection 3-8.1.2.1 to read as follows: The agent discharge shall be completed as quickly as possible to suppress the fire and limit the formation of decomposition and combustion products. In no case shall the discharge time exceed ten (10) seconds.

EXCEPTION: For inert gases that do not form decomposition products, the discharge time may be extended to achieve the design concentration within one (1) minute.

(s) Amend subsection 4-1.1 by deleting “competent” and substituting “trained”.

(t) Delete the last sentence of subsection 4-1.5 without substitution.

(u) Amend the last sentence of subsection 4-2.2 by deleting “competent” and substitute “trained”.

(v) Amend subsection 4-7.1 to read as follows: Only listed equipment and devices shall be used in the systems. The completed system shall be reviewed and tested to determine that the system has been properly installed and will function as specified.

(w) Delete subsections 4-7.2.1, 4-7.2.2.1, and 4-7.2.2.2 in their entirety without substitution.

(x) Delete subsection 4-7.2.2.8 in its entirety without substitution.

(y) Delete subsection 4-7.2.4.9 in its entirety and substitute to read as follows: The detectors shall be installed in accordance with the manufacturers' installation instructions.

(z) Delete Chapter 5 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-28; filed Aug 15, 1997, 8:54 a.m.: 21 IR 103; readopted filed Dec 2, 2003, 11:30 a.m.: 27 IR 1299*)

**Rule 2. Indiana Building Code (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989)*

**Rule 2.1. Indiana Building Code, 1989 Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126, eff Jan 3, 1993)*

**Rule 2.2. Indiana Building Code, 1993 Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2908)*

**Rule 2.3. 1998 Indiana Building Code (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951)*

**Rule 2.4. 2003 Indiana Building Code**

**675 IAC 13-2.4-1 Adoption by reference; title; availability; scope; purpose**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 1. (a) That certain document being titled the 2000 International Building Code, third printing, published by the International Code Council, 5203 Leesburg Pike, Suite 708, Falls Church, Virginia 22041-3401, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule.

(b) This rule is available for review and reference at the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-1; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2875*)

**675 IAC 13-2.4-2 Chapter 1; administration**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 4-21.5; IC 4-22-7-7; IC 22-12-7; IC 22-13-2-7; IC 22-13-5; IC 22-14; IC 22-15; IC 36-7

Sec. 2. Delete Chapter 1 and substitute to read as follows:

Section 101 Application

101.1 Title

This rule shall be known as the Indiana Building Code, 2003 edition and shall be published, except incorporated documents, by the fire and building services department, for general distribution and use under that title. Wherever the term “this code” is used throughout this rule, it shall mean the Indiana Building Code, 2003 edition.

101.2 Scope and Purpose

(a) The scope and purpose of this code is to establish the minimum requirements for the following:

1. Construction, addition, alteration, erection, or assembly of any part of a Class 1 structure at the site where the structure will be used.
2. Installation of any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems for a Class 1 structure at the site where it will be used.
3. Work undertaken to alter, remodel, rehabilitate, or add to any part of a Class 1 structure.
4. Safeguarding life or property from the hazards of fire and explosion for Class 1 structures.
5. Fabrication of any part of a Class 1 industrialized building system for installation, assembly, or use at another site, except mobile structures.
6. Work undertaken to relocate any part of a Class 1 structure, except a mobile structure.
7. Assembly of a Class 1 industrialized building system that is not covered by subdivision 5, except mobile structures.

(b) Detached one (1) and two (2) family dwellings and townhouses not more than three (3) stories high and their accessory structures shall comply with the Indiana Residential Code, 675 IAC 14.

#### 101.3 Appendices and Standards

Provisions in the appendices are not enforceable unless specifically adopted.

The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

EXCEPTION: Where enforcement of a code provision would violate the conditions of the listing, labeling, or manufacturer's installation instructions of the equipment or appliance, the conditions of the listing, labeling, or manufacturer's instructions shall apply.

#### 101.4 Appeals and Interpretations

Appeals from orders issued by the fire prevention and building safety commission, the office of the state building commissioner, or the office of the state fire marshal are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders by a local unit of government are governed by IC 22-13-2-7 and local ordinance. Upon the written request of an interested person who has a dispute with a county or municipal government concerning a building rule, the office of the state building commissioner may issue a written interpretation of a building law. The written interpretation as issued under IC 22-13-5 binds the interested person and the county or municipality with whom the interested person has the dispute until overruled in a proceeding under IC 4-21.5. A written interpretation of a building law binds all counties and municipalities if the office of the state building commissioner publishes the written interpretation of the building law in the Indiana Register under IC 4-22-7-7(b).

#### 101.5 Plans

Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12) and the rules for Industrialized Building Systems (675 IAC 15).

#### 101.6 Existing Construction

For existing Class 1 structures, see the General Administrative Rules (675 IAC 12) and local ordinance.

#### 101.7 Additions and Alterations

Additions and alterations to any Class 1 structure shall conform to that required of a new structure without requiring the existing structure to comply with all the requirements of this code. Additions or alterations shall not cause an existing structure to become unsafe (See the General Administrative Rules (675 IAC 12-4)).

#### 101.8 Alternate Materials, Methods, and Equipment

Alternate materials, methods, equipment, and design shall be as required by the General Administrative Rules (675 IAC 12-6-11) and the rules for Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-2; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2875*)

### **675 IAC 13-2.4-3 Section 202; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12-1-4; IC 22-13; IC 22-14; IC 22-15; IC 25-4; IC 25-31; IC 36-7-2-9; IC 36-8-17

Sec. 3. In Section 202, make the following changes:

- (1) Delete the definition of AGRICULTURAL BUILDING.
- (2) Delete the definition of APPROVED and substitute to read as follows: APPROVED as to materials, equipment, design, and types of construction, acceptance by the building official by one (1) of the following methods:
  - (A) investigation or tests conducted by recognized authorities; or
  - (B) investigation or tests conducted by technical or scientific organizations;
  - (C) or accepted principles.The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.
- (3) Delete the definition of APPROVED AGENCY.
- (4) Delete the definition of APPROVED FABRICATOR.
- (5) Delete the definition of AREA OF REFUGE and substitute to read as follows: See Chapter 11.
- (6) Add the definition of ASME A17.1 after the definition of AREAWAY to read as follows: ASME A17.1. See the Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).
- (7) Delete the definition for BUILDING OFFICIAL and substitute to read as follows: BUILDING OFFICIAL. The office of the state building commissioner; the office of the state fire marshal; the local building official authorized under IC 36-7-2-9 and a local ordinance approved by the commission; the fire department authorized under IC 36-8-17.
- (8) Add the definition of CLASS 1 STRUCTURE after the definition of CLADDING to read as follows: CLASS 1 STRUCTURE. Refer to IC 22-12-1-4.
- (9) Add a definition of CODE OFFICIAL after the definition of CLOSED SYSTEM to read as follows: CODE OFFICIAL. See BUILDING OFFICIAL.
- (10) Delete the definition of CONSTRUCTION DOCUMENTS and substitute to read as follows: CONSTRUCTION DOCUMENTS. Documents required to obtain a design release in accordance with the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15).
- (11) Delete the definition of DETECTABLE WARNING.
- (12) Delete the following definitions: DWELLING UNIT, GROUND FLOOR; DWELLING UNIT, MULTISTORY; DWELLING UNIT, TYPE A; DWELLING UNIT, TYPE B.
- (13) Add the definition of FIRE DEPARTMENT to read as follows: FIRE DEPARTMENT. See BUILDING OFFICIAL.
- (14) Delete the definition of HISTORIC BUILDINGS.
- (15) Add the definition for ICC ELECTRICAL CODE after the definition of HURRICANE PRONE REGIONS to read as follows: ICC ELECTRICAL CODE. See the Indiana Electrical Code (675 IAC 17).
- (16) Delete the definition of INSPECTION CERTIFICATE.
- (17) Add the definition of INTERNATIONAL CODES after the definition of INTERLAYMENT to read as follows: INTERNATIONAL CODES. Refers to the rules of the Fire Prevention and Building Safety Commission (675 IAC).
- (18) Add definitions to read as follows:
  - INTERNATIONAL BUILDING CODE refers to the INDIANA BUILDING CODE (675 IAC 13).
  - INTERNATIONAL FIRE CODE refers to the INDIANA FIRE CODE (675 IAC 22).
  - INTERNATIONAL MECHANICAL CODE refers to the INDIANA MECHANICAL CODE (675 IAC 18).
  - INTERNATIONAL FUEL GAS CODE refers to the INDIANA FULES *[sic.]* GAS CODE (675 IAC 25).
  - INTERNATIONAL ENERGY CONSERVATION CODE refers to the INDIANA ENERGY CONSERVATION CODE (675 IAC 19).
  - INTERNATIONAL PLUMBING CODE refers to the INDIANA PLUMBING CODE (675 16 *[sic.]*, 675 IAC 16).
  - INTERNATIONAL RESIDENTIAL CODE refers to the INDIANA RESIDENTIAL CODE (675 IAC 14).
- (19) Delete the definition of JURISDICTION.
- (20) Add the definition of NFPA after the definition of NATURALLY DURABLE WOOD to read as follows: NFPA. See Chapter 35 Referenced Standards.
- (21) Delete the definition of PERMIT.
- (22) Change the definition of REGISTERED DESIGN PROFESSIONAL to read as follows: REGISTERED DESIGN PROFESSIONAL. An architect who is registered under IC 25-4 or professional engineer who is registered under IC 25-31. If a registered design professional is not required by 675 IAC 12-6 or 675 IAC 15, then it means the owner.
- (23) Delete the definition of REPAIR.

(24) Delete the definition of STRUCTURAL OBSERVATION.

(25) Add the definition of TOWNHOUSE after the definition of TIRES, BULK STORAGE OF to read as follows: TOWNHOUSE. A single family dwelling unit constructed in a row of attached units separated by property lines and with open space on at least two (2) sides, and is regulated by the Indiana Residential Code (675 IAC 14) as a Class 1 structure.

(26) Add the definition of TRAINED PERSONNEL after the definition of TOXIC to read as follows: TRAINED PERSONNEL. One who has undergone the instructions necessary to perform the duties required.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-3; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2876)*

**675 IAC 13-2.4-4 Section 301.1 Scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 4. Delete the words “buildings and” and substitute “Class 1”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-4; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2877)*

**675 IAC 13-2.4-5 Table 302.1.1; incidental use area**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 5. Change TABLE 302.1.1 INCIDENTAL USE AREAS as follows:

(1) Change in the SEPARATION column “2 hours”, that is across from “Automatic parking garage in other than Group R-3” in the ROOM OR AREA column to read “2 hours or 1 hour and provide automatic fire-extinguishing system”.

(2) Change in the SEPARATION column “1 hour”, that is across from “Laundry rooms over 100 square feet” in the ROOM OR AREA column to read “1 hour or provide automatic fire-extinguishing system”.

(3) Change in the SEPARATION column “1 hour”, that is across from “Storage rooms over 100 square feet” in the ROOM OR AREA column to read “1 hour or provide automatic fire-extinguishing system”.

(4) In the ROOM OR AREA column, in the “Storage rooms over 110 square feet” add a superscript “b” after “feet” and after footnote “a” and at the bottom of the TABLE add footnote “b” to read as follows: b. See footnote b in TABLE 302.3.3 for exceptions to Groups B and M Occupancies.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-5; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2877)*

**675 IAC 13-2.4-6 Section 302.3.2; nonseparated uses**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 6. Add an exception to the end of Section 302.3.2 Nonseparated uses to read as follows: EXCEPTION: Unseparated Group A Occupancies shall be permitted within Group E Occupancies complying with the unlimited area provisions of Section 507.2 or Section 507.3. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-6; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2878)*

**675 IAC 13-2.4-7 Section 302.3.3; separated uses**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 7. Change Exception 2 to Section 302.3.3 Separated uses as follows: Add a sentence to the end of Exception 2 to read as follows: Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8" Type X gypsum board or equivalent. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-7; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2878)*

**675 IAC 13-2.4-8 Table 302.3.3; required separation of occupancies (hours)<sup>a</sup>**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 8. Change the title of TABLE 302.3.3 REQUIRED SEPARATION OF OCCUPANCIES (HOURS)<sup>a</sup> to read as follows: REQUIRED SEPARATION OF OCCUPANCIES (HOURS)<sup>a</sup> and REQUIRED SEPARATION BETWEEN FIRE AREAS WITHIN THE SAME OCCUPANCY CLASSIFICATION. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-8; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2878*)

**675 IAC 13-2.4-9 Section 303.1; assembly Group A**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9. Change Section 303.1 ASSEMBLY GROUP A as follows:

(1) Add to the end of the A-1 use group the following: Symphony and concert halls.

(2) Add to the A-3 use group after the words "Dance halls" the words "not including food or drink consumption".

(3) Add to the end of A-4 use group the following: Gymnasiums.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-9; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2878*)

**675 IAC 13-2.4-10 Section 307.2; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 10. In section 307.2, make the following changes:

(1) Delete in Section 307.2 Definitions, the last paragraph in the definition of HIGHLY TOXIC and substitute to read as follows: Mixtures of these materials with ordinary materials, such as water, might not warrant classification as highly toxic.

(2) Delete in Section 307.2 Definitions, in the definition of UNSTABLE (REACTIVE) MATERIAL Class 1 the word "which" after the word "can".

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-10; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2878*)

**675 IAC 13-2.4-11 Section 307.4; Group H-2 structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 11. Change in Section 307.4 "cryogenic liquids, flammable" to "cryogenic fluids, flammable". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-11; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2878*)

**675 IAC 13-2.4-12 Section 307.5; Group H-3 structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 12. Change in Section 307.5 "cryogenic liquids, oxidizing" to "cryogenic fluids, oxidizing". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-12; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2878*)

**675 IAC 13-2.4-13 (Reserved)**

**675 IAC 13-2.4-14 (Reserved)**

**675 IAC 13-2.4-15 Section 308.2; Group I-2**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 15. Change the fourth sentence of Section 308.2 Group I-2 to read as follows: A facility such as the above with five (5) or fewer persons shall be classified as a Group R-3 or shall comply with the Indiana Residential Code (675 IAC 14) as a Class 1 structure. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-15; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-16 Section 308.3; Group I-2**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 16. Change the last sentence of Section 308.3 Group I-2 to read as follows: A facility such as the above WITH FIVE (5) OR FEWER PERSONS shall be classified as a Group R-3 or shall comply with the Indiana Residential Code (675 IAC 14) as a Class 1 structure. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-16; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-17 Section 308.5.1; adult care facility**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 17. Add an exception to Section 308.5.1 Adult care facility to read as follows: EXCEPTION: Where the occupants are capable of responding to an emergency situation without physical assistance from the staff, the facility may be classified as a Group A-3. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-17; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-18 Section 309.1; mercantile Group M**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 18. Change in Section 309.1 “motor vehicle service stations” to read “motor fuel dispensing facilities”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-18; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-19 Section 310.1; residential Group “R”**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 19. Change Section 310.1 Residential Group “R” as follows:

(1) Add to the end of the Group R-3 description a sentence to read as follows: One and two family dwellings and townhouses not more than three (3) stories in height are regulated by the Indiana Residential Code (675 IAC 14) (See Section 101.2).

(2) Change the last paragraph of the R-4 description to read as follows: Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3 except for the height and area limitations provided in Section 503, or shall comply with the Indiana Residential Code (675 IAC 14) as a Class 1 structure.

(3) Add to the end of the first paragraph after “24 hours” the words “or bed and breakfast establishment”.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-19; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-20 Section 310.2; bed and breakfast establishment**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 20. Add the definition of BED AND BREAKFAST ESTABLISHMENT to Section 310.2 Definitions before

BOARDING HOUSE to read as follows: BED AND BREAKFAST ESTABLISHMENT. An operator occupied residence that:

1. provides sleeping accommodations to the public for a fee;
2. has no more than fourteen (14) guest rooms;
3. provides breakfast to its guests as part of the fee; and
4. provides sleeping accommodations for no more than thirty (30) consecutive days to a particular guest.

The term does not include hotels, motels, boarding houses, or food service establishments. The operator may reside within the establishment or on contiguous property. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-20; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-21 Section 311.2; moderate-hazard storage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 21. Change in Section 311.2 Moderate-hazard storage, Group S-1 "Aircraft Hangars" to read "Aircraft Repair Hangars". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-21; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-22 Section 311.3; low-hazard storage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 22. Add to the beginning of the list of occupancies before "Asbestos" in Section 311.3 Low-hazard storage, Group S-2 "Aircraft Hangars". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-22; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-23 Section 312.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 23. Change Section 312.1 General to read as follows: Group U Occupancies shall include buildings or structures, or portions thereof, and shall be classified as follows:

Division 1. Private garages, carports, sheds, and agricultural buildings that are Class 1 structures.

Division 2. Tanks and towers that are Class 1 structures.

Agricultural buildings that are not Class 1 structures may be regulated by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-23; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

**675 IAC 13-2.4-24 Section 402.3; lease plan**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 24. Delete Section 402.3 Lease Plan. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-24; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880)*

**675 IAC 13-2.4-25 Section 404.2; use**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 25. Delete Section 404.2 Use and substitute as follows: See the Indiana Fire Code (675 IAC 22). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-25; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880)*

**675 IAC 13-2.4-26 Section 405.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 26. Delete Exception 1 of Section 405.1 General. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-26; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-27 Section 406.2.2; clear height**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 27. Change Section 406.2.2 Clear height to read as follows: Where a parking tier provides parking spaces for individuals with disabilities or vehicular access to parking spaces for individuals with disabilities the minimum clear height shall not be less than seven foot [*sic., feet*], six inches (7' 6"). EXCEPTION: A lesser clear height may be permitted where the building official approves a mechanical-access parking garage. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-27; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-28 Section 406.5; motor vehicle service station**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 28. Change Section 406.5 to read "motor fuel dispensing facilities". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-28; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-29 Section 406.5.1; construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 29. Change in Section 406.5.1 "motor vehicle service stations" to read "motor fuel dispensing facilities". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-29; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-30 Section 406.6.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 30. Change in Section 406.6.1 "motor vehicle service stations" to read "motor fuel dispensing facilities". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-30; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-31 Section 412.1.6; accessibility**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 31. Delete Section 412.1.6 Accessibility. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-31; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-32 Section 412.2.3; floor drains**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 32. Change the last sentence to Section 412.2.3 to read as follows: Floor drains shall discharge through an oil separator

to an approved point of discharge. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-32; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-33 Section 412.3; residential aircraft hangars**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 33. Delete Section 412.3 Residential aircraft hangars [*sic.*, *hangars*]. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-33; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-34 Section 414.1.3; information required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 34. Delete Section 414.1.3 Information required and substitute as follows: See the General Administrative Rules (675 IAC 12-6), the Indiana Fire Code (675 IAC 22), and the rules for Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-34; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2880*)

**675 IAC 13-2.4-35 (Reserved)**

**675 IAC 13-2.4-36 (Reserved)**

**675 IAC 13-2.4-37 Section 415.2; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 37. Delete in Section 415.2 Definitions the second and third sentences in the definition of IMMEDIATELY DANGEROUS TO LIFE AND HEALTH (IDLH). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-37; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2881*)

**675 IAC 13-2.4-38 (Reserved)**

**675 IAC 13-2.4-39 Section 415.9.6 and Section 415.9.7; piping and tubing and continuous gas detection systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 39. Delete Section 415.9.6 Piping and tubing and Section 415.9.7 Continuous gas detection systems. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-39; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2881*)

**675 IAC 13-2.4-40 Section 417.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 40. Change Section 417.1 General to read as follows: A drying room or dry kiln installed within a building shall be constructed entirely of approved noncombustible materials. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-40; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2881*)

**675 IAC 13-2.4-41 Section 506.2.2; open space limits**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 41. Add an exception to Section 506.2.2 Open space limits to read as follows: EXCEPTION: A 4-hour fire wall shall be considered equivalent to sixty (60) feet of open space for any building. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-41; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2881*)

**675 IAC 13-2.4-42 Section 507.2; sprinklered**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 42. Change the first paragraph of Section 507.2 to read as follows: The area of a one-story, Group B, E, F, M, or S building or a one-story Group A-4 building of other than Type V construction, shall not be limited when the building is provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1, and is surrounded and adjoined by public ways or yards not less than sixty (60) feet (eighteen thousand two hundred eighty-eight (18,288) mm) in width. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-42; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2881*)

**675 IAC 13-2.4-42.5 Section 507.3; two story**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 42.5. Change Section 507.3 Two-story to read as follows: The area of a two story, Group B, E, F, M, or S building shall not be limited when the building is provided with an automatic sprinkler system in accordance with Section 903.3.1.1 throughout, and is surrounded and adjoined by public ways or yards not less than sixty (60) feet (eighteen thousand two hundred eighty-eight (18,288) mm) in width. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-42.5; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2881*)

**675 IAC 13-2.4-43 Section 507.9; Group A-3 buildings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 43. Add Section 507.9 to the end of Section 507 to read as follows: 507.9 Group A-3 buildings. The area of a one-story, Group A-3 building used as a church, community hall, exhibition hall, gymnasium, lecture hall, indoor swimming pool, or tennis court of Type I or II construction shall not be limited when all of the following conditions are met:

1. The building shall not have a stage but may have a platform.
2. The building shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
3. The assembly floor shall be located at or within twenty-one (21) inches of grade level and all exits are provided with ramps complying with Section 1003.3.4.
4. The building shall be surrounded and adjoined by public ways or yards not less than sixty (60) feet in width.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-43; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2881*)

**675 IAC 13-2.4-44 Section 704.9; vertical separation of openings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 44. Change Exception 2 of Section 704.9 Vertical separation of openings to read as follows: This section shall not apply to buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or Section 903.3.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-44; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2881*)

**675 IAC 13-2.4-45 Section 715.5.3.1; penetrations of shaft enclosures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

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Sec. 45. Change Section 715.5.3.1 Penetrations of shaft enclosures by deleting in the fourth line of the first paragraph the words “and smoke”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-45; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2882*)

**675 IAC 13-2.4-46 Section 716.2.4; stairways**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46. Change Section 716.2.4 Stairways to read as follows: Fireblocking shall be provided in concealed spaces between stair stringers at the top and bottom of the run and between studs along and in line with the run of stairs, if the walls under the stairs are unfinished, and shall comply with requirements of Section 1005.3.2.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-46; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2882*)

**675 IAC 13-2.4-47 Table 719.1(2); rated fire-resistive periods for various walls and partitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 47. (a) Change TABLE 719.1(2) RATED FIRE-RESISTIVE PERIODS FOR VARIOUS WALLS AND PARTITIONS as follows: (Portions of the Table and footnotes not shown do not change)

TABLE 719.1(2)						
RATED FIRE RESISTANCE PERIODS FOR VARIOUS WALLS AND PARTITIONS <sup>a, o, p</sup>						
MATERIAL	ITEM NUMBER	CONSTRUCTION	MINIMUM FINISHED THICKNESS FACE-TO-FACE (inches)			
			4 Hr.	3 Hr.	2 Hr.	1 Hr.
	15-1.6 <sup>lm</sup>	2" by 6" fire-retardant-treated wood studs 16" on center, interior face has two layers of 5/8" Type X gypsum with the base layer placed vertically and attached with 6d box nails 12" on center. The face layer is placed horizontally and attached with 8d box nails 8" on center at joints and 12" on center elsewhere. The exterior face has a base layer of 5/8" Type X gypsum sheathing placed vertically with 6d box nails 8" on center at joints and 12" on center elsewhere. An approved building paper is next applied, followed by self-furred exterior lath attached with 2 1/2", No. 12 gage galvanized roofing nails with a 3/8" diameter head and spaced 6" on center along each stud. Cement plaster consisting of a 1/2" brown coat is then applied. The scratch coat is mixed in the proportion of 1:3 by weight, cement to sand with 10 pounds of hydrated lime and 3 pounds of approved additives or admixtures per sack of cement. The brown coat is mixed in the proportion of 1:4 by weight, cement to sand with the same amounts of hydrated lime and approved additives or admixtures used in the scratch coat.	—	—	8 1/4	—
15. Exterior or interior walls	15-1.7 <sup>lm</sup>	2" by 6" wood studs 16" on center. The exterior face has a layer of 5/8" Type X gypsum sheathing placed vertically with 6d box nails 8" on center at joints and 12" No. 18 gage self-furred exterior lath attached with 8d by 2 1/2" long galvanized roofing nails spaced 6" on center along each stud. Cement plaster consisting of a 1/2" scratch coat, a bonding agent, and a 1/2" brown coat and finish coat is then applied. The scratch coat is mixed in the proportion of 1:3 by weight, cement to sand with 10 pounds of hydrated lime and 3 pounds of approved additives or	—	—	8 3/8	—

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		admixtures per sack of cement. The brown coat is mixed in the proportion of 1:4 by weight, cement to sand with the same amounts of hydrated lime and approved additives or admixtures used in the scratch coat. The interior is covered with 3/8" gypsum lath with 1" hexagonal mesh of 0.035 inch (No. 20 B.W. gage) woven wire lath furred out 5/16" and 1" perlite or vermiculite gypsum plaster. Lath nailed with 1 1/8" by No. 13 gage by 19/64" head plasterboard blued nails spaced 5" on center. Mesh attached by 1 3/4" by No. 12 gage by 3/8" head nails with 3/8" furrings, spaced 8" on center. The plaster mix shall not exceed 100 pounds of gypsum to 2 1/2" cubic feet of aggregate.				
	15-1.8 <sup>lm</sup>	2" by 6" wood studs 15" on center. The exterior face has a layer of 5/8" Type X gypsum sheathing placed vertically with 6d box nails 8" on center at joints and 12" on center elsewhere. An approved building paper is next applied, followed by 1 1/2" by No. 17 gage self-furred exterior lath attached with 8d by 2 1/2" long galvanized roofing nails spaced 6" on center along each stud. Cement plaster consisting of a 1/2" scratch coat, and 1/2" brown coat is then applied. The plaster may be placed by machine. The scratch coat is mixed in the proportion of 1:4 by weight, plastic cement to sand. The brown coat is mixed in the proportion of 1:5 by weight, plastic cement to sand. The interior is covered with 3/8" gypsum lath with 1" hexagonal mesh of No. 20 gage woven wire lath furred out 5/16" and 1" perlite or vermiculite gypsum plaster. Lath nailed with 1 1/8" by No. 13 gage by 19/64" and head plasterboard blued nails spaced 5" on center. Mesh attached by 1 3/4" by No. 12 gage by 3/8" head nails with 3/8" furrings, spaced 8" on center. The plaster mix shall not exceed 100 pounds of gypsum to 2 1/2 cubic feet of aggregate.	—	—	8 3/8	—
	15-1.12 <sup>q</sup>	2" by 6" wood studs at 16" centers with double top plates, single bottom plate; interior and exterior sides covered with 5/8" Type X gypsum wallboard, 4 feet wide, applied horizontally or vertically with vertical joints over studs, and fastened with 2 1/4" Type S drywall screws, spaced 12" on center. Cavity filled with 4 1/2" mineral wool insulation.	—	—	—	6 3/4
	15-1.13 <sup>q</sup>	2" by 5" wood studs at 16" centers with double top plates, single bottom plate; interior and exterior sides covered with 5/8" Type X gypsum wallboard, 4 feet wide, applied horizontally or vertically with vertical joints over studs, and fastened with 2 1/4" Type S drywall screws, spaced 7" on center.	—	—	—	6 3/4
	15-1.14 <sup>q</sup>	2" by 4" wood studs at 16" centers with double top plates, single bottom plate; interior and exterior sides covered with 5/8" Type X gypsum wallboard and sheathing, respectively, 4 feet wide, applied horizontally or vertically with vertical joints over studs, and fastened with 2 1/4" Type S drywall screws, spaced 12" on center. Cavity to be filled with 3 1/2" mineral wool insulation.	—	—	—	4 3/4

(b) Add footnote <sup>q</sup> to read as follows: <sup>q</sup>The design stress of studs shall be equal to a maximum of 100 percent of the allowable  $F_c$ , calculated in accordance with Section 2306. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-47; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2882*)

**675 IAC 13-2.4-48 Section 720.3.4; concrete masonry lintels**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 48. Change in Section 720.3.4 Concrete masonry lintels “by approved alternate methods” to read “as approved by the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-48; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2883*)

**675 IAC 13-2.4-49 Section 720.3.5; concrete masonry columns**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 49. Change in Section 720.3.5 Concrete masonry columns “by approved alternate methods” to read “as approved by the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-49; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2883*)

**675 IAC 13-2.4-50 Section 801.1.3; applicability**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 50. Delete Section 801.1.3 Applicability. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-50; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2883*)

**675 IAC 13-2.4-51 Section 805; decorations and trim**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 51. Delete Section 805 Decorations and trim and substitute “See the Indiana Fire Code (675 IAC 22)”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-51; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884*)

**675 IAC 13-2.4-52 Section 901.3; modifications**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 52. Change Section 901.3 Modifications to read as follows: No person shall remove or modify any fire protection system installed or maintained in accordance with the rules of the commission without notifying the servicing fire department prior to receiving approval from the building official. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-52; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884*)

**675 IAC 13-2.4-53 Section 901.5; acceptance tests**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 53. Delete Section 901.5 Acceptance tests and substitute to read as follows: 901.5 Acceptance tests. Fire protection systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner’s representative. When requested by the building official, such tests shall be conducted in their presence. Prior to conducting such tests, the local building official shall be given at least 48-hour notice. It shall be unlawful to occupy portions of a structure until the required fire protection systems within that portion of the structure have been completed, successfully tested, and fully operational with appropriate contractor’s material and test certificates filled out in full and provided to the building official. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-53; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884*)

**675 IAC 13-2.4-54 Section 901.6.1; automatic sprinkler systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 54. Delete Exception 1 to Section 901.6.1 Automatic sprinkler systems. (*Fire Prevention and Building Safety*

*Commission; 675 IAC 13-2.4-54; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884)*

**675 IAC 13-2.4-55 Section 902; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 55. Change Section 902 Definitions as follows:

(1) Add the definition of Labeled after Listed to read as follows: LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(2) Delete the definition of RECORD DRAWINGS.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-55; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884)*

**675 IAC 13-2.4-56 Section 903.2.5; Group I**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 56. Change Section 903.2.5 Group A-3 as follows:

(1) Change "Exception" to read "Exception 1:".

(2) Add Exception 2 to read as follows: EXCEPTION 2: In jails, prisons, and reformatories, the piping system may be dry, provided a manually operated valve is installed at a continuously monitored location. Opening the valve will cause the system to be charged. The valve may be located in a locked cabinet or enclosure provided the activation of a sprinkler unlocks the cabinet or enclosure.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-56; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884)*

**675 IAC 13-2.4-57 Section 903.3.1.1.1; exempt locations**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 57. Change Section 903.3.1.1.1 Exempt Locations as follows: Delete the text of item 5 and substitute the following: Elevator equipment rooms and hoistways used exclusively for the operation of elevators and which are separated from the remainder of the building by two (2) hour fire-resistive construction. Penetrations between machine rooms and hoistways necessary for the safe operation of an elevator, and vents required by Section 3004 of this code need not be fire-rated. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-57; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884)*

**675 IAC 13-2.4-58 Section 903.3.1.3; NFPA 13D sprinkler systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 58. Delete Section 903.3.1.3 NFPA 13D Sprinkler Systems. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-58; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884)*

**675 IAC 13-2.4-59 Section 903.3.5.1.1; limited area sprinkler systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 59. Change in the exception for Section 903.3.5.1.1 Limited area sprinkler systems "an approved" to "a listed". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-59; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884)*

**675 IAC 13-2.4-60 Section 903.3.6; hose threads**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 60. Change Section 903.3.6 Hose threads to read as follows: Fire hose threads used in connection with automatic sprinkler systems shall be compatible with the equipment used by the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-60; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2885)*

**675 IAC 13-2.4-61 Section 903.3.7; fire department connections**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 61. Change Section 903.3.7 Fire department connections to read as follows: The servicing fire department shall be consulted before placing the fire department hose connections at specific locations, when there is no local ordinance specifying locations or the connections shall be placed as required by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-61; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2885)*

**675 IAC 13-2.4-62 Section 903.4; sprinkler system monitoring and alarms**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 62. Delete Exception 1 to Section 903.4 Sprinkler systems monitoring and alarms and substitute: See Section 101.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-62; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2885)*

**675 IAC 13-2.4-63 Section 903.4.2; alarms**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 63. Change Section 903.4.2 Alarms to read as follows: Listed audible and visible devices shall be connected to every automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building facing the public street, road, or highway that is in accordance with its legal address. Where buildings are not directly facing the public street, road, highway or are in excess of two hundred fifty (250) feet from the public street, road, or highway, the servicing fire department shall be consulted in determining a location prior to the installation of the exterior audible and visible device. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

EXCEPTION: Sprinkler systems which are monitored by an approved supervisory station are not required to have the listed audible and visible device located on the exterior wall facing the public street, road, or highway.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-63; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2885)*

**675 IAC 13-2.4-64 Section 903.4.3; floor control valves**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 64. Change Section 903.4.3 Floor control valves as follows:

(1) Change “approved” to “a listed”.

(2) Change “high-rise buildings” to “buildings four (4) stories or more in height”.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-64; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2885)*

**675 IAC 13-2.4-65 Section 904.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 65. Change Section 904.1 General to read as follows: Automatic fire-extinguishing systems, other than automatic sprinkler systems, shall be designed, installed, and tested in accordance with the provisions of this section and the applicable reference standards, as stated in this code. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-65; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2885)*

**675 IAC 13-2.4-66 Section 904.2.1; hood suppression systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 66. Delete in the third line of Section 904.2.1 Hood suppression systems the words “the International Fire Code or”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-66; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2885)*

**675 IAC 13-2.4-67 Section 904.11; commercial cooking systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 67. Delete the last sentence of Section 904.11 Commercial cooking systems and substitute as follows: Automatic fire-extinguishing systems shall be installed in accordance with the Indiana Mechanical Code (675 IAC 18). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-67; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2885)*

**675 IAC 13-2.4-68 Section 904.11.1, Section 904.11.2, Section 904.11.3, Section 904.11.4, and Section 904.11.4.1; manual system operation, system interconnection, carbon dioxide systems, ventilation systems, special provisions for automatic sprinkler systems, and listed sprinklers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 68. Delete Sections 904.11.1, 904.11.2, 904.11.3, 904.11.3.1, 904.11.4, and 904.11.4.1 Manual system operation, System interconnection, Carbon dioxide systems, ventilation systems, Special provisions for automatic sprinkler systems, Listed sprinklers and substitute: “See the Indiana Mechanical Code (675 IAC 18). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-68; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2886)*

**675 IAC 13-2.4-69 Section 905.2.2.1; fire department connections**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 69. Add Section 905.2.1 after 905.2 to read as follows: 905.2.1 Fire Department connections. The location of fire department connections shall be in accordance with Section 903.3.7. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-69; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2886)*

**675 IAC 13-2.4-70 Section 905.3.5.1; hose and cabinet**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 70. Delete Section 905.3.5.1 Hose and cabinet and substitute to read as follows: Proper cap and chain shall be provided for the hose connection valve assembly. Hose connection valve assembly shall comply with the provisions in Section 903.3.6. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-70; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2886)*

**675 IAC 13-2.4-71 Section 905.4; location of Class I standpipe hose connections**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 71. Change Section 905.4 Location of Class I standpipe hose connections as follows:

(1) Delete item 1 and substitute as follows: 1. In every required stairway, a hose connection shall be provided for each floor level above or below grade. Hose connections shall be located at an intermediate floor level landing between floors. Where there are multiple intermediate floor landings between floors, hose connections shall be located at the landing closest to being midway between floors. If intermediate floor level landings are not provided in the required stairway, the hose connection shall be located on the floor-level landing.

(2) Delete item 6 and substitute as follows: 6. Where the most remote portion of a nonsprinklered floor or story exceeds one hundred fifty (150) feet (forty-five (45) meters) of travel distance from a required exit or the most remote portion of a sprinklered floor or story exceeds two hundred (200) feet (sixty-one (61) meters) of travel distance from a required exit, additional hose connections shall be provided in approved locations.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-71; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2886)*

**675 IAC 13-2.4-72 Section 905.8; dry standpipes**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 72. Change Section 905.8 Dry standpipes to read as follows: In buildings requiring standpipes, dry standpipes complying with NFPA 14 are permitted when the building or structure is unheated and the standpipe is subject to freezing temperatures. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-72; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2886)*

**675 IAC 13-2.4-73 Section 907.1.1; construction documents**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 73. Delete Section 907.1.1 Construction documents and substitute to read as follows: See the General Administrative Rules (675 IAC 12-6). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-73; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2886)*

**675 IAC 13-2.4-74 Section 907.2.1.1; systems initiation in Group A occupancies with an occupant load of 1,000 or more**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 74. Delete the exception to Section 907.2.1.1 System initiation in Group A occupancies with an occupant load of 1,000 or more. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-74; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2886)*

**675 IAC 13-2.4-75 Section 907.2.3; Group E**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 75. Change Section 907.2.3 Group E as follows:

(1) Delete Exception 2.3 and substitute to read as follows: 2.3 Shops and laboratories involving dust or vapors are protected by heat detectors or other listed detection devices.

(2) Delete in Exception 2.6 the words “, except in locations specifically designated by the building official”.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-75; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2886)*

**675 IAC 13-2.4-76 Section 907.2.10.1.1.1; R1 hotels and motels**

Authority: IC 22-11-18; IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12-1-4; IC 22-12-1-5; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 76. Add Section 907.2.10.1.1.1 after Section 907.2.10.1.1 as follows: 907.2.10.1.1.1 R1 Hotels and Motels.

(1) This section only applies to hotels and motels.

(2) All hotels and motels must have functional smoke detectors and comply with this section and section 907.2.10.1.1.

(3) Except as provided in (6), a detector must be installed in all interior corridors adjacent to sleeping rooms and must be spaced no further apart than thirty (30) feet on center or more than fifteen (15) feet from any wall.

(4) The detectors must be hard wired into a building's electrical system, except as provided in (6).

(5) The detectors must be wired in a manner that activates all the devices in a corridor when one is activated, except as provided in (6).

(6) All single level dwellings, all seasonably occupied dwellings, and all hotels and motels with twelve (12) sleeping rooms or less (and containing no interior corridors) are exempt from the requirements of (3), (4), and (5). In such units:

(A) a detector must be installed in each sleeping room; and

(B) the detector may be battery operated, when allowed by section 907.2.10.2.

If a battery operated detector is installed, it must contain a tamper resistant cover to protect the batteries. For the purpose of section 907.2.10.1.1.1, the following definitions shall apply:

DWELLING means a residence with at least one (1) dwelling unit as set forth in IC 22-12-1-4(a)(1)(B) and IC 22-12-1-5(a)(1).

HOTELS AND MOTELS means buildings or structures kept, maintained, used, advertised, or held out to the public as inns or places where sleeping accommodations are furnished for hire for transient guest.

SEASONALLY OCCUPIED DWELLINGS means hotels and motels open to the public for occupancy by guests only during any period of time between April 15 and October 15 each year.

SINGLE LEVEL DWELLING means all single level (no more than one (1) level above ground) hotels and motels that have no interior corridors, and whose individual rooms have exterior exits.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-76; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2887)*

**675 IAC 13-2.4-77 Section 907.2.10.1.2; Groups R-2, R-3R-4, and I-1**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 77. In Section 907.2.10.1.2 Groups R-2, R-3, R-4, and I-1, delete the words "and maintained". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-77; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2887)*

**675 IAC 13-2.4-78 Section 907.2.10.1.4; exceptions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 78. Change the exception to Section 907.2.10.1.4 to read as follows: EXCEPTION: Repairs are exempt from the requirements of this section. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-78; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2887)*

**675 IAC 13-2.4-79 Section 907.7; presignal system**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 79. Delete Section 907.7 Presignal system. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-79; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2887)*

**675 IAC 13-2.4-80 Section 907.8.1; zoning indicator panel**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 80. Change Section 907.8.1 Zoning indicator panel to read as follows: A zoning indicator panel and associated controls shall be provided in a location the servicing fire department will use as their main entrance point in the building. The panel shall be identifiable and accessible at all times. The visual zone indication shall lock in until the system is reset and shall not be canceled by the operation of an audible alarm-silencing switch. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-80; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2887)*

**675 IAC 13-2.4-81 Section 907.14; monitoring**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 81. Change Section 907.14 Monitoring to read as follows: Where required by this chapter, an approved supervising station shall monitor fire alarm systems or an approved local ordinance may contain these requirements. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-81; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2887)*

**675 IAC 13-2.4-82 Section 907.15; automatic telephone dialing devices**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 82. Change Section 907.15 Automatic telephone-dialing devices to read as follows: Automatic telephone-dialing devices used to transmit an emergency alarm shall not be connected to any fire department telephone number unless approved by the building official. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-82; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2887)*

**675 IAC 13-2.4-83 Sections 907.17 and 907.18; record of completion and instructions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 83. Delete Section 907.17 Record of completion and Section 907.18 Instructions. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-83; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888)*

**675 IAC 13-2.4-84 Section 909.2; general design requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 84. Change Section 909.2 General design requirements to read as follows: Buildings, structures, or parts thereof required by this code to have a smoke control system or systems shall have such systems designed in accordance with the applicable requirements of Section 909 and the generally accepted and well-established principles of engineering relevant to the design. Construction documents shall be as required by the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-84; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888)*

**675 IAC 13-2.4-85 Section 909.3; special inspection and test requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 85. Delete Section 909.3 Special inspection and test requirements and substitute to read as follows: For special inspections and testing, see the General Administrative Rules (675 IAC 12-6-6(c)(10)(D)). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-85; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888)*

*Commission; 675 IAC 13-2.4-85; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888)*

**675 IAC 13-2.4-86 Section 909.10.2; ducts**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 86. Add in the third sentence of Section 909.10.2 Ducts the word “approved” after “with” and before “nationally”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-86; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888*)

**675 IAC 13-2.4-87 Section 909.15; control diagrams**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 87. Change Section 909.15 Control diagrams to read as follows: Identical control diagrams showing all devices in the system and identifying their location and function shall be maintained current and kept on file with the servicing fire department and in the fire command center in an approved manner and format. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-87; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888*)

**675 IAC 13-2.4-88 Section 909.18.8, Section 909.18.1, Section 909.18.8.2, Section 909.18.8.3, Section 909.18.8.3.1, and Section 909.18.9; special inspections for smoke control, scope of testing, qualifications, reports, report filing, identification and documentation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 88. Delete sections 909.18.8 Special inspections for smoke control; 909.18.8.1 Scope of testing; 909.18.8.2 Qualifications; 909.18.8.3 Reports; 909.18.8.3.1 Report filing; 909.18.9 Identification and documentation and substitute: See the General Administrative Rules (675 IAC 12-6-6(c)(10)(D)). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-88; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888*)

**675 IAC 13-2.4-89 Section 909.19; system acceptance**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89. Delete the title and text of Section 909.19 System acceptance and substitute to read as follows: 909.19 Acceptance test. Smoke removal systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner’s representative. When requested by the building official, such tests shall be conducted in the presence of the building official. Prior to conducting such tests, the building official shall be given at least 48-hour notice. It shall be unlawful to occupy portions of the structure until the required smoke removal system within that portion of the structure has been completed, successfully tested, and fully operational with appropriate reports and other documentation provided to the building official. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-89; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888*)

**675 IAC 13-2.4-90 Section 909.20.6.3; acceptance and testing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 90. Delete the title and text of Section 909.20.6.3 Acceptance and testing and substitute to read as follows: 909.20.6.3 Acceptance test. Mechanical ventilation systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner’s representative. When requested by the building official, such tests shall be conducted in the presence of the building official. Prior to conducting such tests, the building official shall be given at least 48-hour notice. It shall be unlawful to occupy portions of the structure until the mechanical ventilation system within that portion of the structure has been completed,

successfully tested, and fully operational. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-90; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2888*)

**675 IAC 13-2.4-91 Section 910.2.1; Groups F-1 and S-1**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 91. Add an exception to the end of Section 910.2.1 Groups F-1 and S-1 to read as follows: EXCEPTION: Group S-1 Aircraft Repair Hangars. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-91; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-92 Section 910.3.1.2; sprinklered buildings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 92. Delete Section 910.3.1.2 Sprinklered buildings and substitute to read as follows: Where installed in buildings provided with approved automatic sprinkler system, smoke and heat vents shall open by approved manual releases. The servicing fire department shall be consulted in determining the location of such manual releases prior to the installation of the smoke and heat vents. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-92; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-93 Section 910.3.4; curtain boards**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 93. Add an exception to the end of Section 910.3.4 Curtain boards to read as follows: EXCEPTION: Where areas of buildings are equipped with early suppression-fast response (ESFR) sprinklers, draft curtains shall not be provided within these areas. Draft curtains shall only be provided at the separation between the ESFR sprinklers and the conventional sprinklers and in other areas as required by this section. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-93; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-94 Section 910.4; automatic sprinkler system**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 94. Delete Section 910.4 and substitute to read as follows: In buildings protected throughout with an approved automatic sprinkler system, manually operated exhaust fans may be utilized for fire department mop-up operations. The exhaust rate shall be equal to one (1) cfm per square foot of floor area. The fans shall be wired ahead of the main building disconnect switch. Manual controls for the fans shall be provided individually for each fan unit. The servicing fire department shall be consulted in determining the location of the controls for the exhaust fans. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-94; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-95 Section 1001.2; minimum requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 95. Delete Section 1001.2 Minimum requirements and substitute to read as follows: See the General Administrative Rules (675 IAC 12-4). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-95; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-96 Section 1002.1; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 96. Amend Section 1002.1 as follows: (a) Add the definition of ICC/ANSI A117.1 after the definition of HANDRAIL to read as follows: ICC/ANSI A117.1 means Chapter 11 of this code.

(b) Delete the definition of AREA OF REFUGE. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-96; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-97 Section 1003.3.1.1; size of doors**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 97. Delete Exception 8 in Section 1003.3.1.1. Size of doors. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-97; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-98 Section 1003.2.2.4; increased occupant load**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 98. Delete Section 1003.2.2.4 Increased occupant load. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-98; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-99 Section 1003.2.12.2; opening limitations**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 99. Change the third line of Exception 2 to Section 1003.2.12.2 to read as follows: “systems, fire department access doors required by the Indiana Fire Code (675 IAC 22) that are not a required exit, or equipment, guards shall have”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-99; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2889*)

**675 IAC 13-2.4-100 Section 1003.2.13.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 100. (a) Delete in Section 1003.2.13.1 General, the words “one or more” and substitute the words “at least one”.

(b) Change in Section 1003.2.13.1, item 1 “Section 1104” to read “Chapter 11”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-100; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2890*)

**675 IAC 13-2.4-100.2 Section 1003.2.13.5; areas of refuge**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 100.2. Delete Sections 1003.2.13.5, 1003.2.1.13.5.1, 1003.2.13.5.2, 1003.2.13.5.3, 1003.2.13.5.4, and 1003.2.13.5.5 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-100.2; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2890*)

**675 IAC 13-2.4-101 Section 1003.3.1.2; doors**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 101. Change the second paragraph of Section 1003.3.1.2 to read as follows: Doors shall swing in the direction of egress travel where the area served has an occupant load of fifty (50) or more or is a high-hazard occupancy. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-101; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2890)*

**675 IAC 13-2.4-102 Section 1003.3.1.4; floor elevation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 102. Change in Section 1003.3.1.4 Floor elevation, Exception 4 to read as follows: 4. Exterior decks, patios, or balconies that are part of a dwelling unit regulated under part 2 of Chapter 11 and have impervious surfaces, and that are not more than four (4) inches (one hundred two (102) mm) below the finished floor level of the adjacent interior space of the dwelling unit. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-102; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2890)*

**675 IAC 13-2.4-103 Section 1003.3.1.7; door arrangement**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 103. Change in Section 1003.3.1.7 Door arrangement, Exception 3 to read as follows: 3. Doors within individual dwelling units in Groups R-2 and R-3 as applicable in Section 101.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-103; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2890)*

**675 IAC 13-2.4-104 Section 1003.3.1.8; locks and latches**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-11-17-2.5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 104. Change Section 1003.3.1.8 Locks and latches as follows:

(1) Delete Exception 2. 3.

(2) Add Exception 5 to read as follows: 5. Licensed Health Care Facilities that comply with IC 22-11-17-2.5.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-104; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2890)*

**675 IAC 13-2.4-105 Section 1003.3.1.8.2; delayed egress locks**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 105. Delete in Section 1003.3.1.8.2 Delayed egress locks, the exception to item 4. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-105; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2890)*

**675 IAC 13-2.4-106 Section 1003.3.3.3; stair treads and risers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 106. Change Section 1003.3.3.3 Stair treads and risers as follows:

(1) Delete Exception 5 and substitute to read as follows: 5. Within dwelling units in occupancies in Group R-3, as applicable in Section 101.2, and within dwelling units in occupancies in Group R-2, as applicable in Section 101.2, the maximum riser height shall be eight and one-fourth (8¼) inches (two hundred ten (210) mm), the minimum tread depth shall be nine (9) inches (two hundred twenty-nine (229) mm). A nosing not less than seventy-five hundredths (0.75) inch (nineteen and one-tenth (19.1) mm) but not more than one and twenty-five hundredths (1.25) inches (thirty-two (32) mm) shall be provided on stairways with solid risers where the tread is less than eleven (11) inches. In occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, the maximum riser height shall be seven and seventy-five hundredths (7.75) inches (one hundred ninety-seven (197) mm) and the minimum tread depth shall be ten (10) inches (two

hundred fifty-four (254) mm) and the nosing requirements shall remain the same as above.

(2) Delete Exception 6 and substitute to read: See the General Administrative Rules (675 IAC 12).

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-106; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2890)*

**675 IAC 13-2.4-107 Section 1003.3.3.11.3; Group R-2 dwellings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 107. Add an exception to the end of Section 1003.3.3.11.3 to read as follows: EXCEPTION: Within Group R-2 dwelling units, the handgrip portion of handrails shall have a circular cross section of one and one-fourth (1¼) inches (thirty-two (32) mm) minimum to two and seven-eighths (2⅞) inches (seventy-three (73) mm) maximum. Other handrail shapes that provide equivalent grasping surface are permissible. Edges shall have a minimum radius of one-eighth (⅛) inch (three and two-tenths (3.2) mm). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-107; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2891)*

**675 IAC 13-2.4-108 Section 1008.10; seat stability**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 108. Delete in Section 1008.10 Seat stability, the last sentence of Exception 4. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-108; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2891)*

**675 IAC 13-2.4-109 Section 1009.6; exterior rescue access**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 109. Add Section 1009.6 Exterior rescue access to the end of Section 1009 to read as follows:

1009.6 Exterior Rescue Access. Exterior access for fire department use in performing rescue operations when emergency escape and rescue openings are required shall comply with Sections 1009.6.1 and 1009.6.2.

1009.6.1 The exterior grade adjacent to emergency escape and rescue openings shall not have a slope of more than two (2) inches in twelve (12) inches. The grade requirement shall extend from the structure to a point which will allow the placement of a fire department ground ladder to the sill of the emergency escape and rescue opening when such ladder is placed at a seventy-five (75) degree angle maximum from the horizontal plane. In no circumstances shall the required grade extend less than forty-four (44) inches from the structure.

1009.6.2 No obstructions such as wire, trees, shrubs, signs, cornices, overhangs, awnings, canopies, parking, or other features shall be permitted.

EXCEPTION: Canopies and similar types of building features may be used as a portion of the rescue access system, if the slope of the canopy or similar types of building features does not exceed two (2) inches in twelve (12) inches, and access as required in Section 1009.6.1 is provided from the ground to the top edge of the canopy.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-109; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2891)*

**675 IAC 13-2.4-110 Chapter 11; accessibility**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 5-16-9; IC 22-12-1-4; IC 22-13-4-1; IC 22-13-4-1.5; IC 22-14; IC 22-15; IC 36-7

Sec. 110. Delete Chapter 11 and substitute the following:

**CHAPTER 11 - PART 1 - ACCESSIBILITY FOR PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES**

**1.0 General.**

1.1 Purpose. The purpose of this part is to implement a rule within the statutory authority of IC 22-13-2-2 and IC 22-13-4-1.5 that is compatible with Title III of the Americans with Disabilities Act of 1990 (42 U.S.C. 12181 et seq.), which prohibits discrimination on the basis of disability and requires places of public accommodation and commercial facilities to be designed and constructed for

accessibility by persons with a disability; requires that an alteration of an existing facility be made so that the alteration complies with the readily achievable barrier removal provisions of the Americans with Disabilities Act Accessibility Guidelines (28 CFR 36.101 et seq.); and allows the use of reasonable and cost-effective alternative means of public access or service if the alternative means are consistent with the Americans with Disabilities Act (42 U.S.C. 12181 et seq.).

1.2 Application.

- (1) General. This part applies to the design and construction of any public accommodation or commercial facility.
- (2) The requirements of this part obligate a public accommodation only with respect to the accommodation.
- (3) The requirements of this part obligate a public accommodation only with respect to:
  - (a) a facility designed or constructed for use as a place of public accommodation; or
  - (b) a facility designed and constructed for use as a commercial facility.
- (4) Part 1 applies to the design and construction of any private club, religious entity, and public entity. Private clubs, religious entities, and public entities shall be considered a place of public accommodation.
- (5) General exceptions.
  - (a) In new construction, a person or entity is not required to meet fully the requirements of this rule where that person or entity can demonstrate that it is structurally impracticable to do so. Full compliance will be considered structurally impracticable only in those rare circumstances when the unique characteristics of terrain prevent the incorporation of accessibility features. If full compliance with the requirements of this rule is structurally impracticable, a person or entity shall comply with the requirements to the extent it is not structurally impracticable. Any portion of the building or facility which can be made accessible shall comply to the extent that it is not structurally impracticable.
  - (b) Accessibility is not required to (i) observation galleries used primarily for security purposes; or (ii) in nonoccupiable spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, or freight (nonpassenger) elevators, and frequented only by service personnel for repair purposes; such spaces include, but are not limited to, elevator pits, elevator penthouses, piping, or equipment catwalks.

1.3 Definitions.

COMMERCIAL FACILITIES means facilities:

- (1) whose operations will affect commerce;
- (2) that are intended for nonresidential use by a private entity;
- (3) that are Class 1 structures under IC 22-12-1-4; and
- (4) that are not facilities that are covered under Part 2 of Chapter 11.

FACILITY means all or any portion of Class 1 structures, site improvements, complexes, roads, walks, or parking lots on the site where the Class 1 structure is located.

PLACE OF PUBLIC ACCOMMODATION means a facility that falls within at least one (1) of the following categories:

- (1) An inn, hotel, motel, or other place of lodging, except for an establishment located within a building that contains not more than five (5) rooms for rent or hire and that is actually occupied by the proprietor of the establishment as the residence of the proprietor.
- (2) A restaurant, bar, or other establishment serving food or drink.
- (3) A motion picture house, theater, concert hall, stadium, or other place of exhibition or entertainment.
- (4) An auditorium, convention center, lecture hall, or other place of public gathering.
- (5) A bakery, grocery store, clothing store, hardware store, shopping center, or other sales or rental establishment.
- (6) A laundromat, dry cleaner, bank, barber shop, beauty shop, travel service, shoe repair service, funeral parlor, gas station, office of an accountant or lawyer, pharmacy, insurance office, professional office of a health care provider, hospital, or other service establishment.
- (7) A terminal, depot, or other station used for specified public transportation.
- (8) A museum, library, gallery, or other place of public display or collection.
- (9) A park, zoo, amusement park, or other place of recreation.
- (10) A nursery, elementary, secondary, undergraduate, or postgraduate private school or other place of education.
- (11) A day care center, senior citizen center, homeless shelter, food bank, adoption agency, or other social service center establishment.
- (12) A gymnasium, health spa, bowling alley, golf course, or other place of exercise or recreation.
- (13) Private clubs.

(14) Religious entities.

(15) Public entities.

PRIVATE CLUB means a private club or establishment not in fact open to the public.

PRIVATE ENTITY means a person or entity other than a public entity.

PUBLIC ACCOMMODATION means a private entity that owns, leases (or leases to), or operates a place of public accommodation.

PUBLIC ENTITY means:

(1) any state or local government; or

(2) any department, agency, special purpose district, or other instrumentality of a state or states or local government.

RELIGIOUS ENTITY means a religious organization, including a place of worship.

#### 2.1 Scope.

(a) Commercial facilities located in private residences.

(1) When a commercial facility is part of a private residence as new construction or as a change of occupancy, the portion of the residence used exclusively as a residence is not covered by this part, but the portion used exclusively in the operation of the commercial facility or that portion used both for the commercial facility and for residential purposes is covered by the new construction requirements of this part.

(2) The portion of the residence covered under paragraph (a)(1) of this section extends to those elements used to enter the commercial facility, including:

(A) the homeowner's front sidewalk, if any;

(B) the door or entryway and hallways; and

(C) those portions of the residence, interior or exterior, available to or used by employees or visitors of the commercial facility, including rest rooms.

(b) Elevator exemption.

(1) For the purposes of this section:

(A) PROFESSIONAL OFFICE OF A HEALTH CARE PROVIDER means a location where a person or entity regulated by the state to provide professional services related to the physical or mental health of an individual makes such services available to the public. The facility housing the professional office of a health care provider only includes floor levels housing at least one (1) health care provider or any floor level designed or intended for use by at least one (1) health care provider.

(B) SHOPPING CENTER OR SHOPPING MALL means either of the following:

(i) A building housing five (5) or more sales or rental establishments.

(ii) A series of buildings on a common site, either under common ownership or common control or developed either as one (1) project or as a series of related projects, housing five (5) or more sales or rental establishments. For purposes of this section, places of public accommodation of the types listed in the definition of PLACE OF PUBLIC ACCOMMODATION subdivisions one (1) through twelve (12) in section 1.3 are considered sales or rental establishments. The facility housing a shopping center or shopping mall only includes floor levels housing at least one (1) sales or rental establishment or any floor level designed or intended for use by at least one (1) sales or rental establishment.

(2) This section does not require the installation of an elevator in a facility that is less than three (3) stories or has less than three thousand (3,000) square feet per story, except with respect to any facility that houses one (1) or more of the following:

(A) A shopping center, a shopping mall, or a professional office of a health care provider.

(B) A terminal, depot, or other station used for specified public transportation or an airport passenger terminal. In such a facility, any area housing passenger services, including boarding and disembarking, loading and unloading baggage claim, dining facilities, and other common areas open to the public, must be on an accessible route from an accessible entrance.

(3) The elevator exemption set forth in this paragraph (b) does not obviate or limit, in any way, the obligation to comply with the other accessibility requirements established in paragraph (a) of this section. For example, in a facility that houses a shopping center, a shopping mall, or a professional office of a health care provider, the floors that are above or below an accessible ground floor and that do not house sales or rental establishments or a professional office of a health care provider must meet the requirements of this section but for the elevator.

#### SCOPE AND TECHNICAL REQUIREMENTS

3.1 Provisions for Adults. The specifications in these guidelines are based upon adult dimensions and anthropometrics, except for 11.1 through 11.10.4.

3.2 Dimensional Tolerances. All dimensions are subject to conventional building industry tolerances for field conditions.

3.3 Graphic Conventions. Graphic conventions are shown in Table 1. Dimensions that are not marked minimum or maximum are absolute, unless otherwise indicated in the text or captions.

3.4 Definitions applicable to Part 1 of this Chapter only:

ACCESS AISLE means an accessible pedestrian space between elements that provides clearances appropriate for use of the elements.

ACCESSIBLE means a site, building, facility, or portion thereof that complies with this part.

ACCESSIBLE ELEMENT means an element specified by this part.

ACCESSIBLE ROUTE means a continuous, unobstructed path connecting all accessible elements and spaces of a building or facility. Interior accessible routes may include corridors, floors, ramps, elevators, lifts, and clear floor space at fixtures. Exterior accessible routes may include parking access aisles, curb ramps, crosswalks at vehicular ways, walks, ramps, and lifts within the site where the Class 1 structure is located.

ACCESSIBLE SPACE means space that complies with this part.

ADAPTABILITY means the ability of certain building spaces and elements, such as kitchen counters, sinks, and grab bars, to be added or altered so as to accommodate the needs of persons with or without disabilities or to accommodate the needs of persons with different types or degrees of disability.

ADDITION means all expansion, extension, or increase in the gross floor area of a building or facility.

ADMINISTRATIVE AUTHORITY means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the fire prevention and building safety commission. For the purposes of Industrialized Building Systems (675 IAC 15), ADMINISTRATIVE AUTHORITY means the state building commissioner.

AREA OF RESCUE ASSISTANCE means an area, which has direct access to an exit, where people who are unable to use stairs may remain temporarily in safety to await further instructions or assistance during emergency evacuation.

ASSEMBLY AREA means, for the purposes of Part 1, a room or space accommodating a group of individuals for recreational, educational, political, social, or amusement purposes, or for the consumption of food and drink.

AUTOMATIC DOOR means a door equipped with a power-operated mechanism and controls that open and close the door automatically upon receipt of a momentary actuating signal. The switch that begins the automatic cycle may be a photoelectric device, floor mat, or manual switch (see POWER-ASSISTED DOOR).

BUILDING means any structure used and intended for supporting or sheltering any use or occupancy.

CIRCULATION PATH means an exterior or interior way of passage from one (1) place to another for pedestrians, including, but not limited to, walks, hallways, courtyards, stairways, and stair landings.

CLEAR means unobstructed.

CLEAR FLOOR SPACE means the minimum unobstructed floor or ground space required to accommodate a single, stationary wheelchair and occupant.

CLOSED CIRCUIT TELEPHONE means a telephone with dedicated line(s) such as a house phone, courtesy phone, or phone that must be used to gain entrance to a facility.

COMMON USE means those interior and exterior rooms, spaces, or elements that are made available for the use of a restricted group of people, for example, occupants of a homeless shelter, the occupants of an office building, or the guests of such occupants.

CROSS SLOPE means the slope that is perpendicular to the direction of travel (see RUNNING SLOPE).

CURB RAMP means a short ramp cutting through a curb or built up to it.

DETECTABLE WARNING means a standardized surface feature built in or applied to walking surfaces or other elements to warn visually impaired people of hazards on a circulation path.

DWELLING UNIT means, for the purposes of Part 1, a single unit which provides a kitchen or food preparation area, in addition to rooms and spaces for living, bathing, sleeping, and the like. Dwelling units include:

- (1) a single family home or a town house used as a transient group home;
- (2) an apartment building used as a shelter;
- (3) guest rooms in a hotel that provide sleeping accommodations and food preparation areas; and
- (4) other similar facilities used on a transient basis.

For the purposes of Part 1, use of the term DWELLING UNIT does not imply the unit is used as a residence.

**EGRESS, MEANS OF** means, for the purposes of Part 1, a continuous and unobstructed way of exit travel from any point in a building or facility to a public way. A means of egress comprises vertical and horizontal travel and may include intervening room spaces, doorways, hallways, corridors, passageways, balconies, ramps, stairs, enclosures, lobbies, horizontal exits, courts, and yards. An accessible means of egress is one that complies with Part 1 and does not include stairs, steps, or escalators. Areas of rescue assistance or evacuation elevators may be included as part of accessible means of egress.

**ELEMENT** means an architectural or mechanical component of a building, facility, space, or site.

**ENTRANCE** means any access point to a building or portion of a building or facility used for the purpose of entering. An entrance includes the approach walk, the vertical access leading to the entrance platform, the entrance platform itself, vestibule if provided, the entry door(s) or gate(s), and the hardware of the entry door(s) or gate(s).

**FACILITY** means all or any portion of a Class 1 structure, site improvements, complexes, roads, walks, or parking lots on the site where the Class 1 structure is located.

**GROUND FLOOR** means, for the purposes of Part 1, any occupiable floor less than one (1) story above or below grade with direct access to grade. A building or facility always has at least one (1) ground floor and may have more than one (1) ground floor as where a split level entrance has been provided or where a building is built into a hillside.

**MARKED CROSSING** means a crosswalk or other identified path intended for pedestrian use in crossing a vehicular way, located on the site where the Class 1 building or structure is located.

**MEZZANINE OR MEZZANINE FLOOR** means, for the purposes of Part 1, that portion of a story which is an intermediate floor level placed within the story and having occupiable space above and below its floor.

**MULTIFAMILY DWELLING** means any building containing more than two (2) dwelling units.

**OCCUPIABLE** means a room or enclosed space designed for human occupancy:

(1) in which:

(A) individuals congregate for amusement, educational, or similar purposes; or

(B) occupants are engaged at labor; and

(2) which is equipped with means of egress, light, and ventilation.

**OPERABLE PART** means a part or a piece of equipment or appliance used to insert or withdraw objects, or to activate, deactivate, or adjust the equipment or appliance, for example, coin slot, push button, or handle.

**POWER-ASSISTED DOOR** means a door used for human passage with a mechanism that helps to open the door, or relieves the opening resistance of a door, upon the activation of a switch or a continued force applied to the door itself.

**PUBLIC USE** means interior or exterior rooms or spaces that are made available to the general public. Public use may be provided at a building or facility that is privately or publicly owned.

**RAMP** means, for the purposes of Part 1, a walking surface which has a running slope greater than 1:20.

**RUNNING SLOPE** means the slope that is parallel to the direction of travel (see **CROSS SLOPE**).

**SERVICE ENTRANCE** means an entrance intended primarily for delivery of goods or services.

**SIGNAGE** means displayed verbal, symbolic, tactile, and pictorial information.

**SITE** means a parcel of land bounded by a property line or a designated portion of a public right-of-way.

**SITE IMPROVEMENT** means landscaping, paving for pedestrian and vehicular ways, outdoor lighting, recreational facilities, and similar improvements added to a site.

**SLEEPING ACCOMMODATIONS** means rooms in which people sleep, for example, dormitory and hotel or motel guest rooms or suites.

**SPACE** means a definable area, such as room, toilet room, hall, assembly area, entrance, storage room, alcove, courtyard, or lobby.

**STORY** means, for the purposes of Part 1, that portion of a building included between the upper surface of a floor and the upper surface of the floor or roof next above. If such portion of a building does not include occupiable space, it is not considered a story for purposes of Part 1. There may be more than one (1) floor level within a story as in the case of a mezzanine or mezzanines.

**STRUCTURAL FRAME** means the structural frame shall be considered to be the columns and the girders, beams, trusses, and spandrels having direct connections to the columns and all other members which are essential to the stability of the building as a whole.

**TACTILE** means an object that can be perceived using the sense of touch.

**TEXT TELEPHONE** means machinery or equipment that employs interactive graphic (i.e., typed) communications through the transmission of coded signals across the standard telephone network. Text telephones can include, for example, devices known as TDD's (telecommunication display devices or telecommunication devices for deaf persons) or computers.

TRANSIENT LODGING means a building, facility, or portion thereof, excluding in-patient medical care facilities, that contains one (1) or more dwelling units or sleeping accommodations. Transient lodging may include, but is not limited to, resorts, group homes, hotels, motels, and dormitories.

VEHICULAR WAY means a route intended for vehicular traffic, such as a street, driveway, or parking lot, within the site where a Class 1 structure is located.

WALK means an exterior pathway with a prepared surface intended for pedestrian use, including general pedestrian areas such as plazas and courts, within the site where a Class 1 structure is located.

#### 4.0 Accessible Elements, Routes, and Spaces.

##### 4.1 Minimum Requirements.

##### 4.1.1 Application.

(1) General. All areas of newly designed or newly constructed buildings and facilities required to be accessible by section 4.1.2 and section 4.1.3.

(1) Application Based on Building Use. Special application sections 5 through 9 provide additional requirements for restaurants and cafeterias, medical care facilities, business and mercantile, libraries, and accessible transient lodging. When a building or facility contains more than one (1) use covered by a special application section, each portion shall comply with the requirements for that use.

(2) Areas Used Only by Employees as Work Areas. Areas that are used only as work areas shall be designed and constructed so that persons with a disability can approach, enter, and exit the areas. This part does not require that any areas used only as work areas be constructed to permit maneuvering within the work area or be constructed or equipped, such as racks or shelves, to be accessible.

(3) Temporary Structures. Chapter 11 covers temporary buildings or facilities as well as permanent facilities. Temporary buildings and facilities are not of permanent construction but are extensively used or are essential for public use for a period of time. Examples of temporary buildings or facilities covered by this rule include, but are not limited to, reviewing stands, temporary classrooms, bleacher areas, exhibit areas, temporary banking facilities, temporary health screening services, or temporary safe pedestrian passageways around a construction site. Structures, sites, and equipment directly associated with the actual processes of construction, such as scaffolding, bridging, materials hoists, or construction trailers, are not included.

(4) Accessibility is not required on:

(A) observation galleries used primarily for security purposes; or

(B) in nonoccupiable spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, or freight (nonpassenger) elevators and frequented only by service personnel for repair purposes; such spaces include, but are not limited to, elevator pits, elevator penthouses, piping, or equipment catwalks.

##### 4.1.2 Accessible Sites and Exterior Facilities: New Construction.

An accessible site shall meet the following minimum requirements:

(1) At least one (1) accessible route complying with section 4.3 shall be provided within the boundary of the site from public transportation stops, accessible parking spaces, passenger loading zones, if provided, and public streets or sidewalks to an accessible building entrance.

(2) At least one (1) accessible route complying with section 4.3 shall connect accessible buildings, accessible facilities, accessible elements, and accessible spaces that are on the same site.

(3) All objects that protrude from surfaces or posts into circulation paths shall comply with section 4.4.

(4) Ground surfaces along accessible routes and in accessible spaces shall comply with section 4.5.

(5) Reserved.

(6) If toilet facilities are provided on a site, then each such public or common use toilet facility shall comply with section 4.22. If bathing facilities are provided on a site, then each such public or common use bathing facility shall comply with section 4.23.

(7) Building Signage. Signs which designate permanent rooms and spaces shall comply with sections 4.30.1, 4.30.4, 4.30.5, and 4.30.6. Other signs which provide direction to, or information about, functional spaces of the building shall comply with sections 4.30.1, 4.30.2, 4.30.3, and 4.30.5.

Elements and spaces of accessible facilities which shall be identified by the international symbol of accessibility and which shall comply with section 4.30.7 are as follows:

- (a) Parking spaces designated as reserved for persons with a disability.
- (b) Accessible passenger loading zones.
- (c) Accessible entrances when not all are accessible (inaccessible entrances shall have directional signage to indicate the route to the nearest accessible entrance).
- (d) Accessible toilet and bathing facilities when not all are accessible.

4.1.3 Accessible Buildings: Minimum Requirements.

Accessible buildings and facilities shall be designed and constructed to meet the following minimum requirements:

- (1) At least one (1) accessible route complying with section 4.3 shall connect accessible building or facility entrances with all accessible spaces and elements within the building or facility.
- (2) All objects that overhang or protrude into circulation paths shall comply with section 4.4.
- (3) Ground and floor surfaces along accessible routes and in accessible rooms and spaces shall comply with section 4.5.
- (4) Interior and exterior stairs connecting levels that are not connected by an elevator, ramp, or other accessible means of vertical access shall comply with section 4.9.
- (5) One (1) passenger elevator complying with section 4.10 shall serve each level, including mezzanines, in all multistory buildings and facilities unless exempted below. If more than one (1) elevator is provided, each full passenger elevator shall comply with section 4.10.

EXCEPTION 1: Elevators are not required in facilities that are less than three (3) stories or that have less than three thousand (3,000) square feet per story unless the building is a shopping center, a shopping mall, or a professional office of a health care provider. The elevator exemption set forth in this paragraph does not obviate or limit in any way the obligation to comply with the other accessibility requirements established in section 4.1.3. For example, floors above or below the accessible ground floor must meet the requirements of this section, except for elevator service. If toilet or bathing facilities are provided on a level not served by an elevator, then toilet or bathing facilities must be provided on the accessible ground floor. In new construction, if a building or facility is eligible for this exemption but a full passenger elevator is nonetheless planned, that elevator shall meet the requirements of section 4.10 and shall serve each level in the building. A full passenger elevator that provides service from a garage to only one (1) level of a building or facility is not required to serve other levels.

EXCEPTION 2: Elevator pits, elevator penthouses, mechanical rooms, piping or equipment, and catwalks are exempted from this requirement.

EXCEPTION 3: Accessible ramps complying with section 4.8 may be used in lieu of an elevator.

EXCEPTION 4: Platform lifts (wheelchair lifts) complying with section 4.11 of this part may be used in lieu of an elevator only under the following conditions:

- (a) To provide an accessible route to a performing area in an assembly occupancy.
- (b) To comply with the wheelchair viewing position line-of-sight and dispersion requirements of section 4.33.3.
- (c) To provide access to incidental occupiable spaces and rooms which are not open to the general public and which house no more than five (5) persons, including, but not limited to, equipment control rooms and projection booths.
- (d) To provide access where existing site constraints or other constraints make use of a ramp or an elevator infeasible.

(6) Reserved.

(7) Doors:

- (a) At each accessible entrance to a building or facility, at least one (1) door shall comply with section 4.13.
- (b) Within a building or facility, at least one (1) door at each accessible space shall comply with section 4.13.
- (c) Each door that is an element of an accessible route shall comply with section 4.13.
- (d) Each door required by section 4.3.10, Egress, shall comply with section 4.13.

(8) At a minimum, the requirements in (a) and (b) below shall be satisfied independently:

- (a)(i) At least fifty percent (50%) of all public entrances (excluding those in (b)(i) and (b)(ii) below) must be accessible. At least one (1) must be a ground floor entrance. Public entrances are any entrances that are not loading or service entrances.
- (ii) Accessible entrances must be provided in a number at least equivalent to the number of exits required by chapter 10 of this code. (This paragraph does not require an increase in the total number of entrances planned for a facility.)

(iii) An accessible entrance must be provided to each tenancy in a facility, for example, individual stores in a strip shopping center.

One (1) entrance may be considered as meeting more than one (1) of the requirements in (a). Accessible entrances shall be entrances used by the majority of people visiting or working in the building.

(b)(i) In addition, if direct access is provided for pedestrians from an enclosed parking garage to the building, at least one (1) direct entrance from the garage to the building must be accessible.

(ii) If access is provided for pedestrians from a pedestrian tunnel or elevated walkway, one (1) entrance to the building from each tunnel or walkway must be accessible.

One (1) entrance may be considered as meeting more than one (1) of the requirements in (b).

(c) If the only entrance to a building, or tenancy in a facility, is a service entrance, that entrance shall be accessible.

(d) Entrances which are not accessible shall have directional signage complying with sections 4.30.1 and 4.30.5 which indicates the location of the nearest accessible entrance.

(9) In buildings or facilities, or portions of buildings or facilities, required to be accessible, accessible means of egress shall be provided in the same number as required for exits by chapter 10 of this code. Where a required exit from an occupiable level above or below a level of accessible exit discharge is not accessible, an area of rescue assistance shall be provided on each such level (in a number equal to that of inaccessible required exits). Areas of rescue assistance shall comply with section 4.3.11. A horizontal exit, meeting the requirements of chapter 10 of this code, shall satisfy the requirements for an area of rescue assistance (see section 4.3.11).

EXCEPTION: Areas of rescue assistance are not required in buildings or facilities having a supervised automatic fire suppression system throughout.

(10) Drinking Fountains:

(a) Where only one (1) drinking fountain is provided on a floor, there shall be a drinking fountain which is accessible to individuals who use wheelchairs in accordance with section 4.15 and one (1) accessible to those who have difficulty bending or stooping.

(b) Where more than one (1) drinking fountain or water cooler is provided on a floor, fifty percent (50%) of those provided shall comply with section 4.15 and shall be on an accessible route.

(11) Toilet Facilities: If toilet rooms are provided, then each public and common use toilet room shall comply with section 4.22. Other toilet rooms provided for the use of occupants of specific spaces, such as a private toilet room for the occupant of a private office, shall be adaptable in conformance with CABO/ANSI A117.1 1992 as referenced in Chapter 11 - Part 2. If bathing rooms are provided, then each public and common use bathroom shall comply with section 4.23. Accessible toilet rooms and bathing facilities shall be on an accessible route.

(12) Storage, Shelving, and Display Units:

(a) If fixed or built-in storage facilities, such as cabinets, shelves, closets, and drawers, are provided in accessible spaces, at least one (1) of each type provided shall contain storage space complying with section 4.25. Additional storage may be provided outside of the dimensions required by section 4.25.

(b) Shelves or display units allowing self-service by customers in mercantile occupancies shall be located on an accessible route complying with section 4.3. Requirements for accessible reach range do not apply.

(13) Controls and operating mechanisms in accessible spaces, along accessible routes, or as parts of accessible elements, for example, light switches and dispenser controls, shall comply with section 4.27.

(14) If emergency warning systems are provided, then they shall include both audible alarms and visual alarms complying with section 4.28. Sleeping accommodations required to comply with section 9.3 shall have an alarm system complying with 4.28.

(15) Reserved.

(16) Building Signage:

(a) Signs which designate permanent rooms and spaces shall comply with sections 4.30.1, 4.30.4, 4.30.5, and 4.30.6.

(b) Other signs which provide direction to or information about functional spaces of the building shall comply with sections 4.30.1, 4.30.2, 4.30.3, and 4.30.5.

EXCEPTION: Building directories, menus, and all other signs which are temporary are not required to comply.

(17) Public Telephones:

(a) If public pay telephones, public closed circuit telephones, or other public telephones are provided, then they shall

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comply with sections 4.31.2 through 4.31.8 to the extent required by the following table:

Number of Each Type of Telephone Provided on Each Floor	Number of Telephones Required to Comply With Sections 4.31.2 Through 4.31.8 <sup>1</sup>
1 or more single unit	1 per floor
1 bank <sup>2</sup>	1 per floor
2 or more banks <sup>2</sup>	1 per bank. Accessible unit may be installed as a single unit in proximity (either visible or with signage) to the bank. At least 1 public telephone per floor shall meet the requirements for a forward reach telephone <sup>3</sup> .

<sup>1</sup>Additional public telephones may be installed at any height. Unless otherwise specified, accessible telephones may be either forward or side reach telephones.

<sup>2</sup>A bank consists of two (2) or more adjacent public telephones, often installed as a unit.

<sup>3</sup>EXCEPTION: For exterior installations only, if dial tone first service is available, then a side reach telephone may be installed instead of the required forward reach telephone (i.e., one (1) telephone in proximity to each bank shall comply with section 4.31).

(b) All telephones required to be accessible and complying with sections 4.31.2 through 4.31.8 shall be equipped with a volume control. In addition, twenty-five percent (25%), but never less than one (1), of all other public telephones provided shall be equipped with a volume control and shall be dispersed among all types of public telephones, including closed circuit telephones, throughout the building or facility. Signage complying with applicable provisions of section 4.30.7 shall be provided.

(c) The following shall be provided in accordance with 4.31.9:

(i) If a total number of four (4) or more public pay telephones (including both interior and exterior phones) is provided at a site, and at least one (1) is in an interior location, then at least one (1) interior public text telephone shall be provided.

(ii) If an interior public pay telephone is provided in a stadium or arena, in a convention center, in a hotel with a convention center, or in a covered mall, at least one (1) interior public text telephone shall be provided in the facility.

(iii) If a public pay telephone is located in or adjacent to a hospital emergency room, hospital recovery room, or hospital waiting room, one (1) public text telephone shall be provided at each such location.

(d) Where a bank of telephones in the interior of a building consists of three (3) or more public pay telephones, at least one (1) public pay telephone in each such bank shall be equipped with a shelf and outlet in compliance with section 4.31.9(2).

(18) If fixed or built-in seating or tables (including, but not limited to, study carrels and student laboratory stations), are provided in accessible public or common use areas, at least five percent (5%), but not less than one (1), of the fixed or built-in seating areas or tables shall comply with section 4.32. An accessible route shall lead to and through such fixed or built-in seating areas or tables.

(19) Assembly Areas:

(a) Places of assembly with fixed seating accessible wheelchair locations shall comply with sections 4.33.2, 4.33.3, and 4.33.4 and shall be provided consistent with the following table:

Capacity of Seating in Assembly Areas	Number of Required Wheelchair Locations
4 to 25	1
26 to 50	2
51 to 300	4
301 to 500	6
Over 500	6, plus 1 additional space for each total seating capacity increase of 100

In addition, one percent (1%), but not less than one (1), of all fixed seats shall be aisle seats with no armrests on the aisle side, or removable or folding armrests on the aisle side. Each such seat shall be identified by a sign or marker. Signage notifying patrons of the availability of such seats shall be posted at the ticket office. Aisle seats are not required to comply with section 4.33.4.

(b) This paragraph applies to assembly areas where audible communications are integral to the use of the space (e.g., concert and lecture halls, playhouses and movie theaters, and meeting rooms, etc.). Such assembly areas, if (1) they

accommodate at least fifty (50) persons, or if they have audio-amplification systems, and (2) they have fixed seating, shall have a permanently installed assistive listening system complying with section 4.33. For other assembly areas, a permanently installed assistive listening system, or an adequate number of electrical outlets or other supplementary wiring necessary to support a portable assistive listening system shall be provided. The minimum number of receivers to be provided shall be equal to four percent (4%) of the total number of seats, but in no case less than two (2). Signage complying with applicable provisions of section 4.30 shall be installed to notify patrons of the availability of a listening system.

(20) Where automated teller machines (ATMs) are provided, each ATM shall comply with the requirements of section 4.34 except where two (2) or more are provided at a location, then only one (1) must comply.

EXCEPTION: Drive-up-only automated teller machines are not required to comply with sections 4.27.2, 4.27.3, and 4.34.3.

(21) Where dressing and fitting rooms are provided for use by the general public, patients, customers, or employees, five percent (5%), but never less than one (1), of the dressing rooms for each type of use within each cluster of dressing rooms shall be accessible and shall comply with section 4.35. Examples of types of dressing rooms are those serving different genders or distinct and different functions as in different treatment or examination facilities.

4.1.4 Reserved.

4.1.5 Accessible Buildings: Additions. Each addition to an existing building or facility shall be regarded as an alteration. Each space or element added to the existing building or facility shall comply with the applicable provisions of sections 4.1.1 to 4.1.3. Minimum Requirements (for New Construction) and the applicable technical specifications of sections 4.2 through 4.35 and sections 5 through 9.

4.1.6 Reserved.

4.1.7 Reserved.

4.2 Space Allowable and Reach Ranges.

4.2.1 Wheelchair Passage Width. The minimum clear width for single wheelchair passage shall be thirty-two (32) inches (eight hundred fifteen (815) millimeters) at a point and thirty-six (36) inches (nine hundred fifteen (915) millimeters) continuously (see Fig. 1 and 24(e)).

4.2.2 Width for Wheelchair Passing. The minimum width for two (2) wheelchairs to pass is sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) (see Fig. 2).

4.2.3 Wheelchair Turning Spaces. The space required for a wheelchair to make a one hundred eighty (180) degree turn is a clear space of sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) diameter (see Fig. 3(a)) or a T-shaped space (see Fig. 3(b)).

4.2.4 Clear Floor or Ground Space for Wheelchairs.

4.2.4.1 Size and Approach. The minimum clear floor or ground space required to accommodate a single, stationary wheelchair and occupant is thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) (see Fig. 4(a)). The minimum clear floor or ground space for wheelchairs may be positioned for forward or parallel approach to an object (see Fig. 4(b) and 4(c)). Clear floor or ground space for wheelchairs may be part of the knee space required under some objects.

4.2.4.2 Relationship of Maneuvering Clearance to Wheelchair Spaces. One (1) full unobstructed side of the clear floor or ground space for a wheelchair shall adjoin or overlap an accessible route or adjoin another wheelchair clear floor space. If a clear floor space is located in an alcove or otherwise confined on all or part of three (3) sides, additional maneuvering clearances shall be provided as shown in Fig. 4(d) and 4(e).

4.2.4.3 Surfaces for Wheelchair Spaces. Clear floor or ground spaces for wheelchairs shall comply with section 4.5.

4.2.5 Forward Reach. If the clear floor space only allows forward approach to an object, the maximum high forward reach allowed shall be forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) (see Fig. 5(a)). The minimum low forward reach is fifteen (15) inches (three hundred eighty (380) millimeters). If the high forward reach is over an obstruction, reach and clearances shall be as shown in Fig. 5(b).

4.2.6 Side Reach. If the clear floor space allows parallel approach by a person in a wheelchair, the maximum high side reach allowed shall be fifty-four (54) inches (one thousand three hundred seventy (1,370) millimeters) and the low side reach shall be no less than nine (9) inches (two hundred thirty (230) millimeters) above the floor (Fig. 6(a) and 6(b)). If the side reach is over an obstruction, the reach and clearances shall be as shown in Fig. 6(c).

4.3 Accessible Route.

4.3.1 General. All walks, halls, corridors, aisles, sky walks, tunnels, and other spaces that are part of an accessible route shall comply with section 4.3.

4.3.2 Location.

(1) At least one (1) accessible route within the boundary of the site shall be provided from public transportation stops, accessible parking and accessible passenger loading zones, and public streets or sidewalks to the accessible building entrance they serve. The accessible route shall coincide with the route for the general public.

(2) At least one (1) accessible route shall connect accessible buildings, facilities, elements, and spaces that are on the same site.

(3) At least one (1) accessible route shall connect accessible building or facility entrances with all accessible spaces and elements and with all accessible dwelling units within the building or facility.

(4) An accessible route shall connect at least one (1) accessible entrance of each accessible dwelling unit with those exterior and interior spaces and facilities that serve the accessible dwelling unit.

4.3.3 Width. The minimum clear width of an accessible route shall be thirty-six (36) inches (nine hundred fifteen (915) millimeters) except at doors (see sections 4.13.5 and 4.13.6). If a person in a wheelchair must make a turn around an obstruction, the minimum clear width of the accessible route shall be as shown in Fig. 7(a) and 7(b).

4.3.4 Passing Spaces. If an accessible route has less than sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) clear width, then passing spaces at least sixty (60) inches by sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters by one thousand five hundred twenty-five (1,525) millimeters) shall be located at reasonable intervals not to exceed two hundred (200) feet (sixty-one (61) meters). A T-intersection of two (2) corridors or walks is an acceptable passing place.

4.3.5 Head Room. Accessible routes shall comply with section 4.4.2.

4.3.6 Surface Textures. The surface of an accessible route shall comply with section 4.5.

4.3.7 Slope. An accessible route with a running slope greater than 1:20 is a ramp and shall comply with section 4.8. The cross slope of an accessible route shall not exceed 1:50.

4.3.8 Changes in Levels. Changes in levels along an accessible route shall comply with section 4.5.2. If an accessible route has changes in level greater than one-half (½) inch (thirteen (13) millimeters), then a curb ramp, ramp, elevator, or elevator platform lift (as permitted in section 4.1.3) shall be provided that complies with section 4.7, 4.8, 4.10, or 4.11, respectively. An accessible route does not include stairs, steps, or escalators. See definition of "EGRESS, MEANS OF" in section 3.5.

4.3.9 Doors. Doors along an accessible route shall comply with section 4.13.

4.3.10 Egress. Accessible routes serving any accessible space or element shall also serve as a means of egress for emergencies or connect to an accessible area of rescue assistance.

4.3.11 Areas of Rescue Assistance.

4.3.11.1 Location and Construction. An area of rescue assistance shall be one (1) of the following:

(1) A portion of a stairway landing within a smoke-proof enclosure.

(2) A portion of an exterior exit balcony located immediately adjacent to an exit stairway when the balcony complies with the requirements for exterior exit balconies in chapter 10 of this code. Openings to the interior of the building located within twenty (20) feet (six (6) meters) of the area of rescue assistance shall be protected with fire assemblies having a three-fourths (¾) hour fire protection rating.

(3) A portion of a one (1) hour fire-resistive corridor located immediately adjacent to an exit enclosure.

(4) A vestibule located immediately adjacent to an exit enclosure and constructed to the same fire-resistive standards as required for corridors and openings.

(5) A portion of a stairway landing within an exit enclosure which is vented to the exterior and is separated from the interior of the building with not less than one (1) hour fire-resistive doors.

(6) An area or a room which is separated from other portions of the building by a smoke barrier. Smoke barriers shall have a fire-resistive rating of not less than one (1) hour and shall completely enclose the area or room. Doors in the smoke barrier shall be tight-fitting smoke and draft control assemblies having a fire-protection rating of not less than twenty (20) minutes and shall be self-closing or automatic closing. The area or room shall be provided with an exit directly to an exit enclosure. Where the room or area exits into an exit enclosure, which is required to be more than one (1) hour fire-resistive construction, the room or area shall have the same fire-resistive construction, including the same opening protection, as required for the adjacent exit.

(7) An elevator lobby when elevator shafts and adjacent lobbies are pressurized as required for smokeproof enclosures by chapter 10 of this code and when complying with requirements herein for size, communication, and signage. Such pressurization system shall be activated by smoke detectors on each floor. Pressurization equipment and its duct work within the building shall be separated from other portions of the building by a minimum two (2) hour fire-resistive construction.

(8) The area immediately adjacent to a horizontal exit that affords safety from fire or smoke coming from the area which escape is made.

4.3.11.2 Size. Each area of rescue assistance shall provide at least two (2) accessible areas each being not less than thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters). The area of rescue assistance shall not encroach on any required exit width. The total number of such thirty (30) inch by forty-eight (48) inch (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) areas per story shall be not less than one (1) for every two hundred (200) persons of calculated occupant load served by the area of rescue assistance.

EXCEPTION: The number of thirty (30) inch by forty-eight (48) inch (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) areas may be one (1) for each area of rescue assistance on floors where the occupant load is less than two hundred (200).

4.3.11.3 Stairway Width. Each stairway adjacent to an area of rescue assistance shall have a minimum clear width of forty-eight (48) inches between handrails.

4.3.11.4 Two-way Communication. A method of two-way communication, with both visible and audible signals, shall be provided between each area of rescue assistance and the primary entry.

4.3.11.5 Identification. Each area of rescue assistance shall be identified by a sign which states "AREA OF RESCUE ASSISTANCE" and display the international symbol of accessibility. The sign shall be illuminated when exit sign illumination is required by chapter 10 of this code. Signage shall also be installed at all inaccessible exits and where otherwise necessary to clearly indicate the direction to areas of rescue assistance. In each area of rescue assistance, instructions on the use of the area under emergency conditions shall be posted adjoining the two-way communication system.

#### 4.4 Protruding Objects.

4.4.1 General. Objects projecting from walls, for example, telephones, with their leading edges between twenty-seven (27) inches and eighty (80) inches (six hundred eighty-five (685) millimeters and two thousand thirty (2,030) millimeters) above the finished floor shall protrude no more than four (4) inches (one hundred (100) millimeters) into walks, halls, corridors, passageways, or aisles (see Fig. 8(a)). Objects mounted with their leading edges at or below twenty-seven (27) inches (six hundred eighty-five (685) millimeters) above the finished floor may protrude any amount (see Fig. 8(a) and (b)). Free-standing objects mounted on posts or pylons may overhang twelve (12) inches (three hundred five (305) millimeters) maximum from twenty-seven (27) inches to eighty (80) inches (six hundred eighty-five (685) millimeters to two thousand thirty (2,030) millimeters) above the ground or finished floor (see Fig. 8(c) and 8(d)). Protruding objects shall not reduce the clear width of an accessible route or maneuvering space (see Fig. 8(e)).

4.4.2 Head Room. Walks, halls, corridors, passageways, aisles, or other circulation spaces shall have eighty (80) inches (two thousand thirty (2030) millimeters) minimum clear head room (see Fig. 8(a)). If vertical clearance of an area adjoining an accessible route is reduced to less than eighty (80) inches (nominal dimension), a barrier to warn blind or visually impaired persons shall be provided (see Fig. 8(c-1)).

#### 4.5 Ground and Floor Surfaces.

4.5.1 General. Ground and floor surfaces along accessible routes and in accessible rooms and spaces, including floors, walks, ramps, stairs, and curb ramps, shall be stable, firm, and slip-resistant and shall comply with section 4.5.

4.5.2 Changes in Level. Changes in level up to one-fourth ( $\frac{1}{4}$ ) inch (six (6) millimeters) may be vertical and without edge treatment (see Fig. 7(c)). Changes in level between one-fourth ( $\frac{1}{4}$ ) inch and one-half ( $\frac{1}{2}$ ) inch (six (6) millimeters and thirteen (13) millimeters) shall be beveled with a slope no greater than 1:2 (see Fig. 7(d)). Changes in level greater than one-half ( $\frac{1}{2}$ ) inch (thirteen (13) millimeters) shall be accomplished by means of a ramp that complies with section 4.7 or 4.8.

4.5.3 Carpet. If carpet or carpet tile is used on a ground or floor surface, then it shall be securely attached; have a firm cushion, pad, or backing, or no cushion or pad; and have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. The maximum pile thickness shall be one-half ( $\frac{1}{2}$ ) inch (thirteen (13) millimeters) (see Fig. 8(f)). Exposed edges of carpet shall be fastened to floor surfaces and have trim along the entire length of the exposed edge. Carpet edge trim shall comply with 4.5.2.

4.5.4 Gratings. If gratings are located in walking surfaces, then they shall have spaces no greater than one-half ( $\frac{1}{2}$ ) inch (thirteen (13) millimeters) wide in one (1) direction (see Fig. 8(g)). If gratings have elongated openings, then they shall be placed so that the

long dimension is perpendicular to the dominant direction of travel (see Fig. 8(h)).

4.6 Parking and Passenger Loading Zones.

4.6.1 Parking spaces required to be accessible by 4.1 shall comply with IC 5-16-9.

4.6.2 Reserved.

4.6.3 Reserved.

4.6.4 Reserved.

4.6.5 Vertical Clearance. Provide minimum vertical clearance of one hundred fourteen (114) inches (two thousand eight hundred ninety-five (2,895) millimeters) at accessible passenger loading zones and along at least one (1) vehicle access route to such areas from site entrance(s) and exit(s).

4.6.6 Passenger Loading Zones. Passenger loading zones shall provide an access aisle at least sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) wide and twenty (20) feet (two hundred forty (240) inches) (six thousand one hundred (6,100) millimeters) long adjacent and parallel to the vehicle pull-up space (see Fig. 10). If there are curbs between the access aisle and the vehicle pull-up space, then a curb ramp complying with section 4.7 shall be provided. Vehicle standing spaces and access aisles shall be level with surface slopes not exceeding 1:50 (two percent (2%)) in all directions, and provide minimum vertical clearance of one hundred fourteen (114) inches (two thousand eight hundred ninety-five (2,895) millimeters) at accessible passenger loading zones and along at least one (1) vehicle access route to such areas from site entrance(s) and exit(s).

4.7 Curb Ramps.

4.7.1 Location. Curb ramps complying with section 4.7 shall be provided wherever an accessible route crosses a curb within the site where a Class 1 building or structure is located.

4.7.2 Slope. Slopes of curb ramps shall comply with section 4.8.2. The slope shall be measured as shown in Fig. 11. Transitions from ramps to walks, gutters, or streets shall be flush and free of abrupt changes. Maximum slopes of adjoining gutters, road surface immediately adjacent to the curb ramp, or accessible route shall not exceed 1:20.

4.7.3 Width. The minimum width of a curb ramp shall be thirty-six (36) inches (nine hundred fifteen (915) millimeters), exclusive of flared sides.

4.7.4 Surface. Surfaces of curb ramps shall comply with section 4.5.

4.7.5 Sides of Curb Ramps. If a curb ramp is located where pedestrians must walk across the ramp, or where it is not protected by handrails or guardrails, it shall have flared sides; the maximum slope of the flare shall be 1:10 (see Fig. 12(a)). Curb ramps with returned curbs may be used where pedestrians would not normally walk across the ramp (see Fig. 12(b)).

4.7.6 Built-up Curb Ramps. Built-up curb ramps shall be located so that they do not project into vehicular traffic lanes (see Fig. 13).

4.7.7 Reserved.

4.7.8 Obstructions. Curb ramps shall be located or protected to prevent their obstruction by parked vehicles.

4.7.9 Location at Marked Crossings. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides (see Fig. 15).

4.7.10 Diagonal Curb Ramps. If diagonal (or corner type) curb ramps have returned curbs or other well defined edges, such edges shall be parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) minimum clear space as show in Fig. 15(c) and (d). If diagonal curb ramps are provided at marked crossings, the forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) clear space shall be within the markings (see Fig. 15(c) and (d)). If diagonal curb ramps have flared sides, they shall also have at least a twenty-four (24) inch (six hundred ten (610) millimeters) long segment of straight curb located on each side of the curb ramp and within the marked crossing (see Fig. 15(c)).

4.7.11 Islands. Any raised islands in crossings on the site where a Class 1 structure is located shall be cut through level with the street or have curb ramps at both sides and a level area at least forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) long between the curb ramps in the part of the island intersected by the crossing (see Fig. 15(a) and (b)).

4.8 Ramps.

4.8.1 General. Any part of an accessible route with a slope greater than 1:20 shall be considered a ramp and shall comply with section 4.8.

4.8.2 Slope and Rise. The least possible slope shall be used for any ramp. The maximum slope of a ramp shall be 1:12. The maximum rise for any run shall be thirty (30) inches (seven hundred sixty (760) millimeters) (see Fig. 16).

4.8.3 Clear Width. The minimum clear width of a ramp shall be thirty-six (36) inches (nine hundred fifteen (915) millimeters).

4.8.4 Landings. Ramps shall have level landings at bottom and top of each ramp and each ramp run. Landings shall have the

following features:

- (1) The landing shall be at least as wide as the ramp run leading to it.
- (2) The landing length shall be a minimum of sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) clear.
- (3) If ramps change direction at landings, the minimum landing size shall be sixty (60) inches by sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters by one thousand five hundred twenty-five (1,525) millimeters).
- (4) If a doorway is located at a landing, then the area in front of the doorway shall comply with section 4.13.6.

4.8.5 Handrails. If a ramp run has a rise greater than six (6) inches (one hundred fifty (150) millimeters) or a horizontal projection greater than seventy-two (72) inches (one thousand eight hundred thirty (1,830) millimeters), then it shall have handrails on both sides. Handrails are not required on curb ramps or adjacent to seating in assembly areas.

Handrails shall comply with section 4.26 and shall have the following features:

- (1) Handrails shall be provided along both sides of ramp segments. The inside handrail on switchback or dogleg ramps shall always be continuous.
- (2) If handrails are not continuous, they shall extend at least twelve (12) inches (three hundred five (305) millimeters) beyond the top and bottom of the ramp segment and shall be parallel with the floor or ground surface (see Fig. 17).
- (3) The clear space between the handrail and the wall shall be one and one-half (1½) inches (thirty-eight (38) millimeters).
- (4) Gripping surfaces shall be continuous.
- (5) Top of handrail gripping surfaces shall be mounted between thirty-four (34) inches and thirty-eight (38) inches (eight hundred sixty-five (865) millimeters and nine hundred sixty-five (965) millimeters) above ramp surfaces.
- (6) Ends of handrails shall be either rounded or returned smoothly to floor, wall, or post.
- (7) Handrails shall not rotate within their fittings.

4.8.6 Cross Slope and Surfaces. The cross slope of ramp surfaces shall be no greater than 1:50. Ramp surfaces shall comply with section 4.5.

4.8.7 Edge Protection. Ramps and landings with drop-offs shall have curbs, walls, railings, or projecting surfaces that prevent people from slipping off the ramp. Curbs shall be a minimum of two (2) inches (fifty (50) millimeters) high (see Fig. 17).

4.8.8 Outdoor Conditions. Outdoor ramps and their approaches shall be designed so that water will not accumulate on walking surfaces.

4.9 Stairs.

4.9.1 Minimum Number. Stairs required to be accessible by section 4.1 shall comply with section 4.9.

4.9.2 Treads and Risers. On any given flight of stairs, all steps shall have uniform riser heights and uniform tread widths. Stair treads shall be no less than eleven (11) inches (two hundred eighty (280) millimeters) wide measured from riser to riser (see Fig. 18(a)). Open risers are not permitted.

4.9.3 Nosings. The undersides of nosings shall not be abrupt. The radius of curvature at the leading edge of the tread shall be no greater than one-half (½) inch (thirteen (13) millimeters). Risers shall be sloped or the underside of the nosing shall have an angle not less than sixty (60) degrees from the horizontal. Nosings shall project no more than one and one-half (1½) inches (thirty-eight (38) millimeters) (see Fig. 18).

4.9.4 Handrails. Stairways shall have handrails at both sides of all stairs. Handrails shall comply with section 4.26 and shall have the following features:

- (1) Handrails shall be continuous along both sides of stairs. The inside handrail on switchback or dogleg stairs shall always be continuous (see Fig. 19(a) and Fig. 19(b)).
- (2) If handrails are not continuous, they shall extend at least twelve (12) inches (three hundred five (305) millimeters) beyond the top riser and at least twelve (12) inches (three hundred five (305) millimeters) plus the width of one (1) tread beyond the bottom riser. At the top, the extension shall be parallel with the floor or ground surface. At the bottom, the handrail shall continue to slope for a distance of the width of one (1) tread from the bottom riser; the remainder of the extension shall be horizontal (see Fig. 19(c) and Fig. 19(d)). Handrail extensions shall comply with section 4.4.
- (3) The clear space between handrails and wall shall be one and one-half (1½) inches (thirty-eight (38) millimeters).
- (4) Gripping surfaces shall be uninterrupted by newel posts, other construction elements, or obstructions.
- (5) Top of handrail gripping surfaces shall be mounted between thirty-four (34) inches and thirty-eight (38) inches (eight hundred sixty-five (865) millimeters and nine hundred sixty-five (965) millimeters) above stair nosings.
- (6) Ends of handrails shall be either rounded or returned smoothly to floor, wall, or post.

(7) Handrails shall not rotate within their fittings.

4.9.5 Reserved.

4.9.6 Outdoor Conditions. Outdoor stairs and their approaches shall be designed so that water will not accumulate on walking surfaces.

4.10 Elevators.

4.10.1 General. Accessible elevators shall be on an accessible route and shall comply with section 4.10 and with the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21). Freight elevators shall not be considered as meeting the requirements of this section unless the only elevators provided are used as combination passenger and freight elevators for the public and employees.

4.10.2 Automatic Operation. Elevator operation shall be automatic. Each car shall be equipped with a self-leveling feature that will automatically bring the car to floor landings within a tolerance of one-half (½) inch (thirteen (13) millimeters) under rated loading to zero (0) loading conditions. This self-leveling feature shall be automatic and independent of the operating device and shall correct the overtravel or undertravel.

4.10.3 Hall Call Buttons. Call buttons in elevator lobbies and halls shall be centered at forty-two (42) inches (one thousand sixty-five (1,065) millimeters) above the floor. Such call buttons shall have visual signals to indicate when each call is registered and when each is answered. Call buttons shall be a minimum of three-fourths (¾) inch (nineteen (19) millimeters) in the smallest dimension. The button designating the up direction shall be on top (see Fig. 20). Buttons shall be raised or flush. Objects mounted beneath hall call buttons shall not project into the elevator lobby more than four (4) inches (one hundred (100) millimeters).

4.10.4 Hall Lanterns. A visible and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call. Audible signals shall sound once for the up direction and twice for the down direction or shall have verbal annunciators that say “up” or “down”. Visible signals shall have the following features:

- (1) Hall lantern fixtures shall be mounted so that their centerline is at least seventy-two (72) inches (one thousand eight hundred thirty (1,830) millimeters) above the lobby floor (see Fig. 20).
- (2) Visual elements shall be at least two and one-half (2½) inches (sixty-four (64) millimeters) in the smallest dimension.
- (3) Signals shall be visible from the vicinity of the hall call button (see Fig. 20). In-car lanterns located in cars, visible from the vicinity of hall call buttons, and conforming to the requirements in subsections (1) and (2) above, shall be acceptable.

4.10.5 Raised and Braille Characters on Hoistway Entrances. All elevator hoistway entrances shall have raised and braille floor designations provided on both jambs. The centerline of the characters shall be sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) above finish floor. Such characters shall be two (2) inches (fifty (50) millimeters) high and shall comply with section 4.30.4. Permanently applied plates are acceptable if they are permanently fixed to the jambs (see Fig. 20).

4.10.6 Door Protective and Reopening Device. Elevator doors shall open and close automatically. They shall be provided with a reopening device that will stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or a person. The device shall be capable of completing these operations without requiring contact for an obstruction passing through the opening at heights of five (5) inches and twenty-nine (29) inches (one hundred twenty-five (125) millimeters and seven hundred thirty-five (735) millimeters) above finish floor (see Fig. 20). Door reopening devices shall remain effective for at least twenty (20) seconds. After such an interval, doors may close in accordance with the requirements of the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

4.10.7 Door and Signal Timing for Hall Calls. The minimum acceptable time from notification that a car is answering a call until the doors of that car start to close shall be calculated from the following equation:

$$T = D/(1.5 \text{ ft/s})$$

or

$$T = D/(457 \text{ mm/s})$$

Where T equals total time in seconds and D equals distance (in feet or millimeters) from a point in the lobby or corridor sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) directly in front of the farthest call button controlling that car to the centerline of its hoistway door (see Fig. 21). For cars with in-car lanterns, T begins when the lantern is visible from the vicinity of hall call buttons and an audible signal is sounded. The minimum acceptable notification time shall be five (5) seconds.

4.10.8 Door Delay for Car Calls. The minimum time for elevator doors to remain fully open in response to a car call shall be three (3) seconds.

4.10.9 Floor Plan for Elevator Cars. The floor area of elevator cars shall provide space for wheelchair users to enter the car, maneuver within reach of controls, and exit from the car. Door openings and inside dimensions shall be as shown in Fig. 22. The

clearance between the car platform sill and the edge of any hoistway landing shall be not greater than one and one-fourth (1¼) inches (thirty-two (32) millimeters).

4.10.10 Floor Surfaces. Floor surfaces shall comply with section 4.5.

4.10.11 Illumination Levels. The level of illumination at the car controls, platform, and car threshold and landing sill shall be at least five (5) foot-candles (fifty-three and eight-tenths (53.8) lux).

4.10.12 Car Controls. Elevator control panels shall have the following features:

(1) Buttons. All control buttons shall be at least three-fourths (¾) inch (nineteen (19) millimeters) in their least dimension. They shall be raised or flush.

(2) Tactile, Braille, and Visual Control Indicators. All control buttons shall be designated by braille and by raised standard alphabet characters for letter, arabic characters for numerals, or standard symbols as shown in Fig. 23(a), and as required by the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21). Raised and braille characters and symbols shall comply with section 4.30. The call button for the main entry floor shall be designated by a raised star at the left of the floor designation (see Fig. 23(a)). All raised designations for control buttons shall be placed immediately to the left of the button to which they apply. Applied plates, permanently attached, are an acceptable means to provide raised control designations. Floor buttons shall be provided with visual indicators to show when each call is registered. The visual indicators shall be extinguished when each call is answered.

(3) Height. All floor buttons shall be no higher than fifty-four (54) inches (one thousand three hundred seventy (1,370) millimeters) above the finish floor for side approach and forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) for front approach. Emergency controls, including the emergency alarm and emergency stop, shall be grouped at the bottom of the panel and shall have their centerlines no less than thirty-five (35) inches (eight hundred ninety (890) millimeters) above the finish floor (see Fig. 23(a) and Fig. 23(b)).

(4) Location. Controls shall be located on a front wall if cars have center opening doors, and at the side wall or at the front wall next to the door if cars have side opening doors (see Fig. 23(c) and Fig. 23(d)).

4.10.13 Car Position Indicators. In elevator cars, a visual position indicator shall be provided above the car control panel or over the door to show the position of the elevator in the hoistway. As the car passes or stops at a floor served by the elevators, the corresponding numerals shall illuminate, and an audible signal shall sound. Numerals shall be a minimum of one-half (½) inch (thirteen (13) millimeters) high. The audible signal shall be no less than twenty (20) decibels with a frequency no higher than one thousand five hundred (1,500) hertz. An automatic verbal announcement of the floor number at which a car stops or which a car passes may be substituted for the audible signal.

4.10.14 Emergency Communications. If provided, emergency two-way communication systems between the elevator and a point outside the hoistway shall comply with the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21). The highest operable part of a two-way communication system shall be a maximum of forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) from the floor of the car. It shall be identified by a raised symbol and lettering complying with section 4.30 and located adjacent to the device. If the system uses a handset, then the length of the cord from the panel to the handset shall be at least twenty-nine (29) inches (seven hundred thirty-five (735) millimeters). If the system is located in a closed compartment, the compartment door hardware shall conform to section 4.27. The emergency intercommunication system shall not require voice communication.

4.11 Platform Lifts (Wheelchair Lifts).

4.11.1 Location. Platform lifts (wheelchair lifts) permitted by section 4.1 shall comply with the requirements of section 4.11.

4.11.2 Requirements. If platform lifts (wheelchair lifts) are used, they shall comply with sections 4.2.4, 4.5, 4.27, and 4.30, and the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

4.11.3 Entrance. If platform lifts are used, they shall facilitate unassisted entry, operation, and exit from the lift in compliance with section 4.11.2.

4.12 Reserved.

4.13 Doors.

4.13.1 General. Doors required to be accessible by section 4.1 shall comply with the requirements of section 4.13.

4.13.2 Revolving Doors and Turnstiles. Revolving doors or turnstiles shall not be the only means of passage at an accessible entrance or along an accessible route. An accessible gate or door shall be provided adjacent to the turnstile or revolving door and shall be so designed as to facilitate the same use pattern.

4.13.3 Gates. Gates, including ticket gates, shall meet all applicable specifications of 4.13.

4.13.4 Double-Leaf Doorways. If doorways have two (2) independently operated door leaves, then at least one (1) leaf shall meet the specifications in sections 4.13.5 and 4.13.6. That leaf shall be an active leaf.

4.13.5 Clear Width. Doorways shall have a minimum clear opening of thirty-two (32) inches (eight hundred fifteen (815) millimeters) with the door open ninety (90) degrees, measured between the face of the door and the opposite stop (see Fig. 24(a), Fig. 24(b), Fig. 24(c), and Fig. 24(d)). Openings more than twenty-four (24) inches (six hundred ten (610) millimeters) in depth shall comply with sections 4.2.1 and 4.3.3 (see Fig. 24(e)).

EXCEPTION: Doors not requiring full user passage, such as shallow closets, may have the clear opening reduced to twenty (20) inches (five hundred ten (510) millimeters) minimum.

4.13.6 Maneuvering Clearances at Doors. Minimum maneuvering clearances at doors that are not automatic or power-assisted shall be as shown in Fig. 25. The floor or ground area within the required clearances shall be level and clear.

EXCEPTION: Entry doors to acute care hospital bedrooms for in-patients shall be exempted from the requirement for space at the latch side of the door (see dimension "x" in Fig. 25) if the door is at least forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) wide.

4.13.7 Two Doors in Series. The minimum space between two (2) hinged or pivoted doors in series shall be forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) plus the width of any door swinging into the space. Doors in series shall swing either in the same direction or away from the space between the doors (see Fig. 26).

4.13.8 Thresholds at Doorways. Thresholds at doorways shall not exceed three-fourths ( $\frac{3}{4}$ ) inch (nineteen (19) millimeters) in height for exterior sliding doors or one-half ( $\frac{1}{2}$ ) inch (thirteen (13) millimeters) for other types of doors. Raised thresholds and floor level changes at accessible doorways shall be beveled with a slope no greater than 1:2 (see section 4.5.2).

4.13.9 Door Hardware. Handles, pulls, latches, locks, and other operating devices on accessible doors shall have a shape that is easy to grasp with one (1) hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate. Lever-operated mechanisms, push-type mechanisms, and u-shaped handles are acceptable designs. When sliding doors are fully open, operating hardware shall be exposed and usable from both sides. Hardware required for accessible door passage shall be mounted no higher than forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) above finished floor.

4.13.10 Door Closers. If a door has a closer, then the sweep period of the closer shall be adjusted so that from an open position of seventy (70) degrees, the door will take at least three (3) seconds to move to a point three (3) inches (seventy-five (75) millimeters) from the latch, measured to the leading edge of the door.

4.13.11 Door Opening Force. The maximum force for pushing or pulling open a door shall be as follows:

Interior hinged doors 5 lbf (22.2N)

Sliding or folding door 5 lbf (22.2N)

EXCEPTION: Door assemblies used in wall assemblies to retard the passage of fire.

These forces do not apply to the force required to retract latch bolts or disengage other devices that may hold the door in a closed position.

4.13.12 Automatic Doors and Power-Assisted Doors. If an automatic door is used, then it shall comply with chapter 10 of the Indiana Building Code (675 IAC 13). Slowly opening, low powered, automatic doors shall comply with chapter 10 of the Indiana Building Code (675 IAC 13). Such doors shall not open to back check faster than three (3) seconds and shall require no more than fifteen (15) lbf (sixty-six and six-tenths (66.6) N) to stop door movement. If a power-assisted door is used, its door-opening force shall comply with section 4.13.11 and its closing shall conform to the requirements in chapter 10 of the Indiana Building Code (675 IAC 13).

4.14 Entrances.

4.14.1 Minimum Number. Entrances required to be accessible by section 4.1 shall be part of an accessible route complying with section 4.3. Such entrances shall be connected by an accessible route to public transportation stops, accessible parking and passenger loading zones, and public streets or sidewalks if available within the site where the Class 1 structure is located (see section 4.3.2(1)). They shall also be connected by an accessible route to all accessible spaces or elements within the building or facility.

4.14.2 Service Entrances. A service entrance shall not be the sole accessible entrance unless it is the only entrance to a building or facility, for example, in a factory or garage.

4.15 Drinking Fountains and Water Coolers.

4.15.1 Minimum Number. Drinking fountains or water coolers required to be accessible by section 4.1 shall comply with section 4.15.

4.15.2 Spout Height. Spouts shall be not higher than thirty-six (36) inches (nine hundred fifteen (915) millimeters), measured from

the floor or ground surfaces to the spout outlet (see Fig. 27(a)).

4.15.3 Spout Location. The spouts of drinking fountains and water coolers shall be at the front of the unit and shall direct the water flow in a trajectory that is parallel or nearly parallel to the front of the unit. The spout shall provide a flow of water at least four (4) inches (one hundred (100) millimeters) high so as to allow the intersection of a cup or glass under the flow of water. On an accessible drinking fountain with a round or oval bowl, the spout must be positioned so the flow of water is within three (3) inches (seventy-five (75) millimeters) of the front edge of the fountain.

4.15.4 Controls. Unit controls shall be front-mounted or side-mounted near the front edge and comply with section 4.27.4.

4.15.5 Clearances.

(1) Wall and post-mounted cantilevered units shall have a clear knee space between the bottom of the apron and the floor or ground at least twenty-seven (27) inches (six hundred eighty-five (685) millimeters) high, thirty (30) inches (seven hundred sixty (760) millimeters) wide, and seventeen (17) inches to nineteen (19) inches (four hundred thirty (430) millimeters to four hundred eighty-five (485) millimeters) deep (see Fig. 27(a) and Fig. 27(b)). Such units shall also have a minimum clear floor space thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) to allow a person in a wheelchair to approach the unit facing forward.

(2) Free-standing or built-in units not having a clear space under them shall have a clear floor space at least thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) that allows a person in a wheelchair to make a parallel approach to the unit (see Fig. 27(c) and Fig. 27(d)). This clear floor space shall comply with section 4.2.4.

4.16 Water Closets.

4.16.1 General. Accessible water closets shall comply with section 4.16.

4.16.2 Clear Floor Space. Clear floor space for water closets not in stalls shall comply with Fig. 28. Clear floor space may be arranged to allow either a left-handed or right-handed approach.

4.16.3 Height. The height of water closets shall be seventeen (17) inches to nineteen (19) inches (four hundred thirty (430) millimeters to four hundred eighty-five (485) millimeters), measured to the top of the toilet seat (see Fig. 29(b)). Seats shall not be sprung to return to a lifted position.

4.16.4 Grab Bars. Grab bars for water closets not located in stalls shall comply with section 4.26 and Fig. 29. The grab bar behind the water closet shall be thirty-six (36) inches (nine hundred fifteen (915) millimeters) minimum.

4.16.5 Flush Controls. Flush controls shall be hand-operated or automatic and shall comply with section 4.27.4. Controls for flush valves shall be mounted on the wide side of toilet areas no more than forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) above the floor.

4.17 Toilet Stalls.

4.17.1 Location. Accessible toilet stalls shall be on an accessible route and shall meet the requirements of section 4.17.

4.17.2 Water closets. Water closets in accessible stalls shall comply with section 4.16.

4.17.3 Size and Arrangement. The size and arrangement of the standard toilet stall shall comply with Fig. 30(a), Standard Stall. Standard toilet stalls with a minimum depth of fifty-six (56) inches (one thousand four hundred twenty (1,420) millimeters) (see Fig. 30(a)) shall have wall-mounted water closets. If the depth of a standard toilet stall is increased at least three (3) inches (seventy-five (75) millimeters), then a floor-mounted water closet may be used. Arrangements shown for standard toilet stalls may be reversed to allow either a left-hand or right-hand approach. Additional stalls shall be provided in conformance with section 4.22.4.

4.17.4 Toe Clearances. In standard stalls, the front partition and at least one (1) side partition shall provide a toe clearance of at least nine (9) inches (two hundred thirty (230) millimeters) above the floor. If the depth of the stall is greater than sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters), then the toe clearance is not required.

4.17.5 Doors. Toilet stall doors, including door hardware, shall comply with section 4.13. If the toilet stall approach is from the latch side of the stall door, clearance between the door side of the stall and any obstruction may be reduced to a minimum of forty-two (42) inches (one thousand sixty-five (1,065) millimeters) (Fig. 30).

4.17.6 Grab Bars. Grab bars complying with the length and positioning shown in Fig. 30(a), Fig. 30(d), and Fig. 30(c) shall be provided. Grab bars may be mounted with any desired method as long as they have a gripping surface at the locations shown and do not obstruct the required clear floor area. Grab bars shall comply with section 4.26.

4.18 Urinals.

4.18.1 General. Accessible urinals shall comply with section 4.18.

4.18.2 Height. Urinals shall be stall-type or wall-hung with an elongated rim at a maximum of seventeen (17) inches (four hundred

thirty (430) millimeters) above the finish floor.

4.18.3 Clear Floor Space. A clear floor space thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) shall be provided in front of urinals to allow forward approach. This clear space shall adjoin or overlap an accessible route and shall comply with section 4.2.4. Urinal shields that do not extend beyond the front edge of the urinal rim may be provided with twenty-nine (29) inches (seven hundred thirty-five (735) millimeters) clearance between them.

4.18.4 Flush Controls. Flush controls shall be hand-operated or automatic and comply with section 4.27.4 and be mounted no more than forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) above the finish floor.

4.19 Lavatories and Mirrors.

4.19.1 General. The requirements of section 4.19 shall apply to lavatory fixtures, vanities, mirrors, and built-in lavatories.

4.19.2 Height and Clearances. Lavatories shall be mounted with the rim or counter surface no higher than thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the finish floor and provide a clearance of at least twenty-nine (29) inches (seven hundred thirty-five (735) millimeters) above the finish floor to the bottom of the apron. Knee and toe clearance shall comply with Fig. 31.

4.19.3 Clear Floor Space. A clear floor space thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) complying with section 4.2.4 shall be provided in front of a lavatory to allow forward approach. Such clear floor space shall adjoin or overlap an accessible route and shall extend a maximum of nineteen (19) inches (four hundred eighty-five (485) millimeters) underneath the lavatory (see Fig. 32).

4.19.4 Exposed Pipes and Surfaces. Hot water and drain pipes under lavatories shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories.

4.19.5 Faucets. Faucets shall comply with section 4.27.4. Lever-operated, push-type, and electronically controlled mechanisms are examples of acceptable designs. If self-closing valves are used, the faucet shall remain open for at least ten (10) seconds.

4.19.6 Mirrors. Mirrors shall be mounted with the bottom edge of the reflecting surface no higher than forty (40) inches (one thousand fifteen (1,015) millimeters) above the finish floor (see Fig. 31).

4.20 Bathtubs.

4.20.1 General. Accessible bathtubs shall comply with section 4.20.

4.20.2 Floor Space. Clear floor space in front of bathtubs shall be as shown in Fig. 33.

4.20.3 Seat. An in-tub seat or a seat at the head end of the tub shall be provided as shown in Fig. 33 and Fig. 34. The structural strength of seats and their attachments shall comply with section 4.26.3. Seats shall be mounted securely and shall not slip during use.

4.20.4 Grab Bars. Grab bars complying with section 4.26 shall be provided as shown in Fig. 33 and Fig. 34.

4.20.5 Controls. Faucets and other controls complying with section 4.27.4 shall be located as shown in Fig. 34.

4.20.6 Shower Unit. A shower spray unit with a hose at least sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) long that can be used both as a fixed shower head and as a hand-held shower shall be provided.

4.20.7 Bathtub Enclosures. If provided, enclosures for bathtubs shall not obstruct controls or transfer from wheelchairs onto bathtub seats or into tubs. Enclosures on bathtubs shall not have tracks mounted on their rims.

4.21 Shower Stalls.

4.21.1 General. Accessible shower stalls shall comply with section 4.21.

4.21.2 Size and Clearance. Except as specified in section 9.1.2, shower stall size and clear floor space shall comply with Fig. 35(a) or 35(b). The shower stall in Fig. 35(a) shall be thirty-six (36) inches by thirty-six (36) inches (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters). Shower stalls required by section 9.1.2 shall comply with Fig. 57(a) or 57(b). The shower stall in Fig. 35(b) will fit into the space required for a bathtub.

4.21.3 Seat. A seat shall be provided in shower stalls thirty-six (36) inches by thirty-six (36) inches (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters) and shall be as shown in Fig. 36. The seat shall be mounted seventeen (17) inches to nineteen (19) inches (four hundred thirty (430) millimeters to four hundred eighty-five (485) millimeters) from the bathroom floor and shall extend the full depth of the stall. In a thirty-six (36) inch by thirty-six (36) inch (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters) shower stall, the seat shall be on the wall opposite the controls. Where a fixed seat is provided in a thirty (30) inch by sixty (60) inch minimum (seven hundred sixty (760) millimeters by one thousand five hundred twenty-five (1,525) millimeters) shower stall, it shall be a folding type and shall be mounted on the wall adjacent to the controls as show in Fig. 57. The structural strength of seats and their attachments shall comply with section 4.26.3.

4.21.4 Grab Bars. Grab bars complying with section 4.26 shall be provided as shown in Fig. 37.

4.21.5 Controls. Faucets and other controls complying with section 4.27.4 shall be located as shown in Fig. 37. In shower stalls thirty-six (36) inches by thirty-six (36) inches (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters), all controls, faucets, and the shower unit shall be mounted on the side wall opposite the seat.

4.21.6 Shower Unit. A shower spray unit with a hose at least sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) long that can be used both as a fixed shower head and as a hand-held shower shall be provided.

EXCEPTION: In unmonitored facilities where vandalism is a consideration, a fixed shower head mounted at forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) above the shower floor may be used in lieu of a hand-held shower head.

4.21.7 Curbs. If provided, curbs in shower stalls thirty-six (36) inches by thirty-six (36) inches (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters) shall be no higher than one-half ( $\frac{1}{2}$ ) inch (thirteen (13) millimeters). Shower stalls that are thirty (30) inches by sixty (60) inches (seven hundred sixty (760) millimeters by one thousand five hundred twenty-five (1,525) millimeters) minimum shall not have curbs.

4.21.8 Shower Enclosures. If provided, enclosures for shower stalls shall not obstruct controls or transfer from wheelchairs onto shower seats.

4.22 Toilet Rooms.

4.22.1 Minimum Number. Toilet facilities required to be accessible by section 4.1 shall comply with section 4.22. Accessible toilet rooms shall be on an accessible route.

4.22.2 Doors. All doors to accessible toilet rooms shall comply with section 4.13. Doors shall not swing into the clear floor space required for any fixture.

4.22.3 Clear Floor Space. The accessible fixtures and controls required in sections 4.22.4, 4.22.5, 4.22.6, and 4.22.7 shall be on an accessible route. An unobstructed turning space complying with section 4.2.3 shall be provided within an accessible toilet room. The clear floor space at fixtures and controls, the accessible route, and the turning space may overlap.

4.22.4 Water Closets. If toilet stalls are provided, then at least one (1) shall be a standard toilet stall complying with section 4.17; where six (6) or more stalls are provided, in addition to the stall complying with section 4.17.3, at least one (1) stall thirty-six (36) inches (nine hundred fifteen (915) millimeters) wide with an outward swinging, self-closing door and parallel grab bars complying with Fig. 30(d) and section 4.26 shall be provided. Water closets in such stalls shall comply with section 4.16. If water closets are not in stalls, then at least one (1) shall comply with section 4.16.

4.22.5 Urinals. If urinals are provided, then at least one (1) shall comply with section 4.18.

4.22.6 Lavatories and Mirrors. If lavatories and mirrors are provided, then at least one (1) shall comply with section 4.19.

4.22.7 Controls and Dispensers. If controls, dispensers, receptacles, or other equipment are provided, then at least one (1) of each shall be on an accessible route and shall comply with section 4.27.

4.23 Bathrooms, Bathing Facilities, and Shower Rooms.

4.23.1 Minimum Number. Bathrooms, bathing facilities, or shower rooms required to be accessible by section 4.1 shall comply with section 4.23 and shall be on an accessible route.

4.23.2 Doors. Doors to accessible bathrooms shall comply with section 4.13. Doors shall not swing into the floor space required for any fixture.

4.23.3 Clear Floor Space. The accessible fixtures required in sections 4.23.4, 4.23.5, 4.23.6, 4.23.7, 4.23.8, and 4.23.9 shall be on an accessible route. An unobstructed turning space complying with section 4.2.3 shall be provided within an accessible bathroom. The clear floor spaces at fixtures and controls, the accessible route, and the turning space may overlap.

4.23.4 Water Closets. If toilet stalls are provided, then at least one (1) shall be a standard toilet stall complying with section 4.17; where six (6) or more stalls are provided, in addition to the stall complying with section 4.17.3, at least one (1) stall thirty-six (36) inches (nine hundred fifteen (915) millimeters) wide with an outward swinging, self-closing door and parallel grab bars complying with Fig. 30(d) and section 4.26 shall be provided. Water closets in such stalls shall comply with section 4.16. If water closets are not in stalls, then at least one (1) shall comply with section 4.16.

4.23.5 Urinals. If urinals are provided, then at least one (1) shall comply with section 4.18.

4.23.6 Lavatories. If lavatories are provided, then at least one (1) shall comply with section 4.19.

4.23.7 Controls and dispensers. If controls, dispensers, receptacles, or other equipment are provided, then at least one (1) of each shall be on an accessible route and shall comply with section 4.27.

4.23.8 Bathing and Shower Facilities. If tubs or showers are provided, then at least one (1) accessible tub that complies with section

4.20 or at least one (1) accessible shower that complies with [section] 4.21 shall be provided.

4.23.9 Medicine Cabinets. If medicine cabinets are provided, at least one (1) shall be located with a usable shelf no higher than forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) above the floor space. The floor space shall comply with [section] 4.2.4.

4.24 Sinks.

4.24.1 General. Sinks required to be accessible by section 4.1 shall comply with section 4.24.

4.24.2 Height. Sinks shall be mounted with the counter or rim no higher than thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the finish floor.

4.24.3 Knee Clearance. Knee clearance that is at least twenty-seven (27) inches (six hundred eighty-five (685) millimeters) high, thirty (30) inches (seven hundred sixty (760) millimeters) wide, and nineteen (19) inches (four hundred eighty-five (485) millimeters) deep shall be provided underneath sinks.

4.24.4 Depth. Each sink shall be a maximum of six and one-half (6½) inches (one hundred sixty-five (165) millimeters) deep.

4.24.5 Clear Floor Space. A clear floor space at least thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) complying with section 4.2.4 shall be provided in front of a sink to allow forward approach. The clear floor space shall be on an accessible route and shall extend a maximum of nineteen (19) inches (four hundred eighty-five (485) millimeters) underneath the sink (see Fig. 32).

4.24.6 Exposed Pipes and Surfaces. Hot water and drain pipes exposed under sinks shall be insulated or otherwise configured so as to protect against contact. There shall be no sharp or abrasive surfaces under sinks.

4.24.7 Faucets. Faucets shall comply with section 4.27.4. Lever-operated, push-type, touch-type, or electronically controlled mechanisms are acceptable designs.

4.25 Storage.

4.25.1 General. Fixed storage facilities such as cabinets, shelves, closets, and drawers required to be accessible by section 4.1 shall comply with section 4.25.

4.25.2 Clear Floor Space. A clear floor space at least thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) complying with section 4.2.4 that allows either a forward or parallel approach by a person using a wheelchair shall be provided at accessible storage facilities.

4.25.3 Height. Accessible storage spaces shall be within at least one (1) of the reach ranges specified in sections 4.2.5 and 4.2.6 (see Fig. 5 and Fig. 6). Clothes rod shelves shall be a maximum of fifty-four (54) inches (one thousand three hundred seventy (1,370) millimeters) above the finish floor for a side approach. Where the distance from the wheelchair to the clothes rod or shelf exceeds ten (10) inches (two hundred fifty-five (255) millimeters) (as in closets without accessible doors), the height and depth to the rod or shelf shall comply with Fig. 38(a) and Fig. 38(b).

4.25.4 Hardware. Hardware for accessible storage facilities shall comply with section 4.27.4. Touch latches and U-shaped pulls are acceptable.

4.26 Handrails, Grab Bars, and Tub and Shower Seats.

4.26.1 General. All handrails, grab bars, and tub and shower seats required to be accessible by 4.1, 4.8, 4.9, 4.16, 4.17, 4.20, or 4.21 shall comply with section 4.26.

4.26.2 Size and Spacing of Grab Bars and Handrails. The diameter or width of the gripping surfaces of a handrail or grab bar shall be one and one-fourth (1¼) inches to one and one-half (1½) inches (thirty-two (32) millimeters to thirty-eight (38) millimeters), or the shape shall provide an equivalent gripping surface. If handrails or grab bars are mounted adjacent to a wall, the space between the wall and the grab bar shall be one and one-half (1½) inches (thirty-eight (38) millimeters) (see Fig. 39(a), Fig. 39(b), Fig. 39(c), and Fig. 39(e)). Handrails may be located in a recess if the recess is a maximum of three (3) inches (seventy-five (75) millimeters) deep and extends at least eighteen (18) inches (four hundred fifty-five (455) millimeters) above the top of the rail (see Fig. 39(d)).

4.26.3 Structural Strength. The structural strength of grab bars, tub and shower seats, fasteners, and mounting devices shall meet the following specifications:

(1) Bending stress in a grab bar or seat induced by the maximum bending moment from the application of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) shall be less than the allowable stress for the material of the grab bar or seat.

(2) Shear stress induced in a grab bar or seat by the application of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) shall be less than the allowable shear stress for the material of the grab bar or seat. If the connection between the grab bar or seat and its mounting bracket or other support is considered to be fully restrained, then direct and

torsional shear stress shall be totaled for the combined shear stress, which shall not exceed the allowable shear stress.

(3) Shear force induced in a fastener or mounting device from the application of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) shall be less than the allowable lateral load of either the fastener or mounting device or the supporting structure, whichever is the smaller allowable load.

(4) Tensile force induced in a fastener by a direct tension force of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) plus the maximum moment from the application of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) shall be less than the allowable withdrawal load between the fastener and the supporting structure.

(5) Grab bars shall not rotate within their fittings.

4.26.4 Eliminating Hazards. A handrail or grab bar and any wall or other surface adjacent to it shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of one-eighth ( $\frac{1}{8}$ ) inch (three and two-tenths (3.2) millimeters).

4.27 Controls and Operating Mechanisms.

4.27.1 General. Controls and operating mechanisms required to be accessible by section 4.1 shall comply with section 4.27.

4.27.2 Clear Floor Space. Clear floor space complying with section 4.2.4 that allows a forward or a parallel approach by a person using a wheelchair shall be provided at controls, dispensers, receptacles, and other operable equipment.

4.27.3 Height. The highest operable part of controls, dispensers, receptacles, and other operable equipment shall be placed within at least one (1) of the reach ranges specified in sections 4.2.5 and 4.2.6. Electrical and communications system receptacles on walls shall be mounted no less than fifteen (15) inches (three hundred eighty (380) millimeters) above the floor.

EXCEPTION: These requirements do not apply where the use of special equipment dictates otherwise or where electrical and communications systems receptacles are not normally intended for use by building occupants.

4.27.4 Operation. Controls and operating mechanisms shall be operable with one (1) hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls shall be no greater than five (5) lbf (twenty-two and two-tenths (22.2) N).

4.28 Alarms.

4.28.1 General. Alarm systems, if provided, that are required to be accessible by section 4.1 shall comply with section 4.28. At a minimum, visual signal appliances shall be provided in buildings and facilities in each of the following areas:

- (1) Rest rooms.
- (2) Any other general usage areas, such as:
  - (A) meeting rooms;
  - (B) hallways;
  - (C) lobbies; and
  - (D) any other area for common use.

4.28.2 Audible Alarms. If provided, audible emergency alarms shall produce a sound that exceeds the prevailing equivalent sound level in the room or space by at least fifteen (15) dbA or exceeds any maximum sound level with a duration of sixty (60) seconds by five (5) dbA, whichever is louder. Sound levels for alarm signals shall not exceed one hundred twenty (120) dbA.

4.28.3 Visual Alarms. Visual alarm signal appliances shall be integrated into the building or facility alarm system. If single station audible alarms are provided, then single station visual alarm signals shall be provided. Visual alarm signals shall have the following minimum photometric and location features:

- (1) The lamp shall be a xenon strobe type or equivalent.
- (2) The color shall be clear or nominal white (i.e., unfiltered or clear filtered white light).
- (3) The maximum pulse duration shall be two-tenths (0.2) of one (1) second with a maximum duty cycle of forty percent (40%). The pulse duration is defined as the time interval between initial and final points of ten percent (10%) of maximum signal.
- (4) The intensity shall be a minimum of seventy-five (75) candela.
- (5) The flash rate shall be a minimum of one (1) hertz and maximum of three (3) hertz.
- (6) The appliance shall be placed eighty (80) inches (two thousand thirty (2,030) millimeters) above the highest floor level within the space or six (6) inches (one hundred fifty-two (152) millimeters) below the ceiling, whichever is lower.
- (7) In general, no place in any room or space required to have a visual signal appliance shall be more than fifty (50) feet (fifteen (15) meters) from the signal (in the horizontal plane). In large rooms and spaces exceeding one hundred (100) feet (thirty (30) meters) across, without obstructions six (6) feet (two (2) meters) above the finish floor, such as auditoriums, devices may be placed around the perimeter, spaced a maximum one hundred (100) feet (thirty (30) meters) apart, in lieu of

suspending appliances from the ceiling.

(8) No place in common corridors or hallways in which visual alarm signaling appliances are required shall be more than fifty (50) feet (fifteen (15) meters) from the signal.

4.28.4 Auxiliary Alarms. Dwelling units and sleeping accommodations shall have a visual alarm connected to the building emergency alarm system or shall have a standard one hundred ten (110) volt electrical receptacle into which such an alarm can be connected and a means by which a signal from the building emergency alarm system can trigger such an auxiliary alarm. When visual alarms are in place, the signal shall be visible in all areas of the unit or room. Instructions for use of the auxiliary alarm or receptacle shall be provided.

4.29 Reserved.

4.30 Signage.

4.30.1 General. Signage required to be accessible by section 4.1 shall comply with the applicable provisions of section 4.30.

4.30.2 Character Proportion. Letters and numbers on signs shall have a width-to-height ratio between 3:5 and 1:1 and a stroke-width-to-height ratio between 1:5 and 1:10.

4.30.3 Character Height. Characters and numbers on signs shall be sized according to the viewing distance from which they are to be read. The minimum height is measured using an uppercase X. Lowercase characters are permitted.

Height Above Finished Floor	Minimum Character Height
Suspended or projected overhead in compliance with section 4.4.2	3 in. (75 mm) minimum

4.30.4 Raised and Brailled Characters and Pictorial Symbol Signs (Pictograms). Letters and numerals shall be raised one thirty-second (<sup>1</sup>/<sub>32</sub>) inch, uppercase, sans serif, or simple serif type and shall be accompanied with Grade 2 braille. Raised characters shall be at least five-eighths (<sup>5</sup>/<sub>8</sub>) inch (sixteen (16) millimeters) high, but no higher than two (2) inches (fifty (50) millimeters). Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram. The border dimension of the pictogram shall be six (6) inches (one hundred fifty-two (152) millimeters) minimum in height.

4.30.5 Finish and Contrast. The characters and background of signs shall be eggshell, matte, or other nonglare finish. Characters and symbols shall contrast with their background, either light characters on a dark background or dark characters on a light background.

4.30.6 Mounting Location and Height. Where permanent identification is provided for rooms and spaces, signs shall be installed on the wall adjacent to the latch side of the door. Where there is no wall space to the latch side of the door, including at double leaf doors, signs shall be placed on the nearest adjacent wall. Mounting height shall be sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) above the finish floor to the centerline of the sign. Mounting location for such signage shall be so that a person may approach within three (3) inches (seventy-six (76) millimeters) of signage without encountering protruding objects or standing within the swing of a door.

4.30.7 Symbols of Accessibility.

(1) Facilities and elements required to be identified as accessible by section 4.1 shall use the international symbol of accessibility. The symbol shall be displayed as shown in Fig. 43(a) and Fig. 43(b).

(2) Volume Control Telephones. Telephones required to have a volume control by [section] 4.1.3(17)(b) shall be identified by a sign containing a depiction of a telephone handset with radiating sound waves.

(3) Text Telephones. Text telephones required by section 4.1.3(17)(c) shall be identified by the international TDD symbol (Fig 43(c)). In addition, if a facility has a public text telephone, directional signage indicating the location of the nearest text telephone shall be placed adjacent to all banks of telephones which do not contain a text telephone. Such directional signage shall include the international TDD symbol. If a facility has no banks of telephones, the directional signage shall be provided at the entrance (e.g., in a building directory).

(4) Assistive Listening Systems. In assembly areas where permanently installed assistive listening systems are required by section 4.1.3(19)(b), the availability of such systems shall be identified with signage that includes the international symbol of access for hearing loss (Fig. 43(d)).

4.30.8 Reserved.

4.31 Telephones.

4.31.1 General. Public telephones required to be accessible by section 4.1 shall comply with section 4.31.

4.31.2 Clear Floor or Ground Space. A clear floor or ground space at least thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) that allows either a forward or parallel approach by a person using a wheelchair shall be provided at telephones (see Fig. 44). The clear floor or ground space shall comply

with section 4.2.4. Bases, enclosures, and fixed seats shall not impede approaches to telephones by people who use wheelchairs.  
4.31.3 Mounting Height. The highest operable part of the telephone shall be within the reach ranges specified in section 4.2.5 or 4.2.6.

4.31.4 Protruding Objects. Telephones shall comply with section 4.4.

4.31.5 Hearing Aid Compatible and Volume Control Telephones Required by 4.1.

(1) Telephones shall be hearing aid compatible.

(2) Volume controls, capable of a minimum of twelve (12) dbA and a maximum of eighteen (18) dbA above normal shall be provided in accordance with [section] 4.1.3. If an automatic reset is provided then eighteen (18) dbA may be exceeded.

4.31.6 Controls. Telephones shall have pushbutton controls where service for such equipment is available.

4.31.7 Telephone Books. Telephone books, if provided, shall be located in a position that complies with the reach ranges specified in sections 4.2.5 and 4.2.6.

4.31.8 Cord Length. The cord from the telephone to the handset shall be at least twenty-nine (29) inches (seven hundred and thirty-five (735) millimeters) long.

4.31.9 Text Telephones Required by section 4.1.

(1) Text telephones used with a pay telephone shall be permanently affixed within, or adjacent to, the telephone enclosure. If an acoustic coupler is used, the telephone cord shall be sufficiently long to allow connection of the text telephone and the telephone receiver.

(2) Pay telephones designed to accommodate a portable text telephone shall be equipped with a shelf and an electrical outlet within or adjacent to the telephone enclosure. The telephone handset shall be capable of being placed flush on the surface of the shelf. The shelf shall be capable of accommodating a text telephone and shall have six (6) inches (one hundred fifty-two (152) millimeters) minimum vertical clearance in the area where the text telephone is to be placed.

(3) Equivalent facilitation may be provided. For example, a portable text telephone may be made available in a hotel at the registration desk if it is available on a twenty-four (24) hour basis for use with nearby public pay telephones. In this instance, at least one (1) pay telephone shall comply with paragraph 2 of this section. In addition, if an acoustic coupler is used, the telephone handset cord shall be sufficiently long so as to allow connection of the text telephone and the telephone receiver. Directional signage shall be provided and shall comply with section 4.30.7.

4.32 Fixed or Built-in Seating and Tables.

4.32.1 Minimum Number. Fixed or built-in seating or tables required to be accessible by section 4.1 shall comply with section 4.32.

4.32.2 Seating. If seating spaces for people in wheelchairs are provided at fixed tables or counters, clear floor space complying with section 4.2.4 shall be provided. Such clear floor space shall not overlap knee space by more than nineteen (19) inches (four hundred eighty-five (485) millimeters) (see Fig. 45).

4.32.3 Knee Clearances. If seating for people in wheelchairs is provided at tables or counters, knee spaces at least twenty-seven (27) inches (six hundred eighty-five (685) millimeters) high, thirty (30) inches (seven hundred sixty (760) millimeters) wide, and nineteen (19) inches (four hundred eighty-five (485) millimeters) deep shall be provided (see Fig. 45).

4.32.4 Height of Tables or Counters. The tops of accessible tables and counters shall be from twenty-eight (28) inches to thirty-four (34) inches (seven hundred ten (710) millimeters to eight hundred sixty-five (865) millimeters) above the finish floor or ground.

4.33 Assembly Areas.

4.33.1 Minimum Number. Assembly and associated areas required to be accessible by section 4.1 shall comply with section 4.33.

4.33.2 Size of Wheelchair Locations. Each wheelchair location shall provide minimum clear ground or floor spaces as shown in Fig. 46.

4.33.3 Placement of Wheelchair Locations. Wheelchair areas shall be an integral part of any fixed seating plan and shall be provided so as to provide people with physical disabilities a choice of admission prices and lines of sight comparable to those for members of the general public. They shall adjoin an accessible route that also serves as a means of egress in case of emergency. At least one (1) companion fixed seat shall be provided next to each wheelchair seating area. When the seating capacity exceeds three hundred (300), wheelchair spaces shall be provided in more than one (1) location. Readily removable seats may be installed in wheelchair spaces when the spaces are not required to accommodate wheelchair users.

EXCEPTION: Accessible viewing positions may be clustered for bleachers, balconies, and other areas having sight lines that require slopes of greater than five percent (5%). Equivalent accessible viewing positions may be located on levels having accessible egress.

4.33.4 Surfaces. The ground or floor at wheelchair locations shall be level and shall comply with section 4.5.

4.33.5 Access to Performing Areas. An accessible route shall connect wheelchair seating and locations with performing areas, including stages, arena floors, dressing rooms, locker rooms, and other spaces used by performers.

4.33.6 Placement of Listening Systems. If the listening system provided serves individual fixed seats, then such seats shall be located within a fifty (50) foot (fifteen (15) meters) viewing distance of the stage or playing area and shall have a complete view of the stage or playing area.

4.33.7 Types of Listening Systems. Assistive listening systems (ALS) are intended to augment standard public address and audio systems by providing signals which can be received directly by persons with special receivers or their own hearing aids and which eliminate or filter background noise. The type of assistive listening system appropriate for a particular application depends on the characteristics of the setting, the nature of the program, and the intended audience. Magnetic induction loops, infrared, and radio frequency systems are types of listening systems which are appropriate for various applications.

4.34 Automated Teller Machines.

4.34.1 General. Each machine required to be accessible by section 4.1.3 shall be on an accessible route and shall comply with section 4.34.

4.34.2 Controls. Controls for user activation shall comply with the requirements of section 4.27.

4.34.3 Clearances and Reach Range. Free standing or built-in units not having a clear space under them shall comply with sections 4.27.2 and 4.27.3 and provide for a parallel approach and both a forward and side reach to the unit allowing a person in a wheelchair to access the controls and dispensers.

4.34.4 Equipment for Persons with Vision Impairments. Instructions and all information for use shall be made accessible to and independently usable by persons with vision impairments.

4.35 Dressing and Fitting Rooms.

4.35.1 General. Dressing and fitting rooms required to be accessible by section 4.1 shall comply with section 4.35 and shall be on an accessible route.

4.35.2 Clear Floor Space. A clear floor space allowing a person using a wheelchair to make a one hundred eighty (180) degree turn shall be provided in every accessible dressing room entered through a swinging or sliding door. No door shall swing into any part of the turning space. Turning space shall not be required in a private dressing room entered through a curtained opening at least thirty-two (32) inches (eight hundred fifteen (815) millimeters) wide if clear floor space complying with section 4.2 renders the dressing room usable by a person using a wheelchair.

4.35.3 Doors. All doors to accessible dressing rooms shall be in compliance with section 4.13.

4.35.4 Bench. Every accessible dressing room shall have a twenty-four (24) inch by forty-eight (48) inch (six hundred ten (610) millimeters by one thousand two hundred twenty (1,220) millimeters) bench fixed to the wall along the longer dimension. The bench shall be mounted seventeen (17) inches to nineteen (19) inches (four hundred thirty (430) millimeters to four hundred eighty-five (485) millimeters) above the finish floor. Clear floor space shall be provided alongside the bench to allow a person using a wheelchair to make a parallel transfer onto the bench. The structural strength of the bench and attachments shall comply with section 4.26.3. Where installed in conjunction with showers, swimming pools, or other wet locations, water shall not accumulate upon the surface of the bench and the bench shall have a slip-resistant surface.

4.35.5 Mirror. Where mirrors are provided in dressing rooms of the same use, then in an accessible dressing room, a full-length mirror, measuring at least eighteen (18) inches wide by fifty-four (54) inches high (four hundred sixty (460) millimeters by one thousand three hundred seventy (1,370) millimeters) shall be mounted in a position affording a view to a person on the bench as well as to a person in a standing position.

5.0 Restaurants and Cafeterias.

5.1 General. Except as specified or modified in this section, restaurants and cafeterias shall comply with the requirements of sections 4.1 to 4.35. Where fixed tables (or dining counters where food is consumed but there is no service) are provided, at least five percent (5%), but not less than one (1), of the fixed tables (or a portion of the dining counter) shall be accessible and shall comply with section 4.32 as required in section 4.1.3(18). In establishments where separate areas are designated for smoking and nonsmoking patrons, the required number of accessible fixed tables (or counters) shall be proportionally distributed between the smoking and nonsmoking areas. Accessible fixed tables (or counters) shall be distributed throughout the space or facility.

5.2 Counters and Bars. Where food or drink is served at counters exceeding thirty-four (34) inches (eight hundred sixty-five (865) millimeters) in height for consumption by customers seated on stools or standing at the counter, a portion of the main counter which is sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) in length minimum shall be provided in compliance with section 4.32 or service shall be available at accessible tables within the same area.

5.3 Access Aisles. All accessible fixed tables shall be accessible by means of an access aisle at least thirty-six (36) inches (nine hundred fifteen (915) millimeters) clear between parallel edges of tables or between a wall and the table edges.

5.4 Dining Areas. All dining areas, including raised or sunken dining areas, loggias, and outdoor seating areas, shall be accessible. In nonelevator buildings, an accessible means of vertical access to the mezzanine is not required under the following conditions:

- (1) The area of mezzanine seating measures no more than thirty-three percent (33%) of the area of the total accessible seating area.
- (2) The same services and decor are provided in an accessible space usable by the general public.
- (3) The accessible areas are not restricted to use by people with disabilities.

5.5 Food Service Lines. Food service lines shall have a minimum clear width of thirty-six (36) inches (nine hundred fifteen (915) millimeters), with a preferred clear width of forty-two (42) inches (one thousand sixty-five (1,065) millimeters) to allow passage around a person using a wheelchair. Tray slides shall be mounted no higher than thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the floor (see Fig. 53). If self-service shelves are provided, at least fifty percent (50%) of each type must be within reach ranges specified in sections 4.2.5 and 4.2.6.

5.6 Tableware and Condiment Areas. Self-service shelves and dispensing devices for tableware, dishware, condiments, food, and beverages shall be installed to comply with section 4.2 (see Fig. 54).

5.7 Raised Platforms. In banquet rooms or spaces where a head table or speaker's lectern is located on a raised platform, the platform shall be accessible in compliance with section 4.8 or 4.11. Open edges of a raised platform shall be protected by placement of tables or by a curb.

5.8 Vending Machines and Other Equipment. Spaces for vending machines and other equipment shall comply with section 4.2 and shall be located on an accessible route.

5.9 Reserved.

6.0 Medical Care Facilities.

6.1 General. Medical care facilities included in this section are those in which people receive physical or medical treatment or care and where persons may need assistance in responding to an emergency and where the period of stay may exceed twenty-four (24) hours. In addition to the requirements of sections 4.1 through 4.35, medical care facilities and buildings shall comply with section 6.0.

- (1) Hospitals: General Purpose Hospitals, Psychiatric Facilities, Detoxification Facilities. At least ten percent (10%) of patient bedrooms and toilets and all public use and common use areas are required to be designed and constructed to be accessible.
- (2) Hospitals and Rehabilitation Facilities that Specialize in Treating Conditions that Affect Mobility, or Units Within Either that Specialize in Treating Conditions that Affect Mobility. All patient bedrooms and toilets and all public use and common use areas are required to be designed and constructed to be accessible.
- (3) Long Term Care Facilities, Nursing Homes. At least fifty percent (50%) of patient bedrooms and toilets and all public use and common use areas are required to be designed and constructed to be accessible.
- (4) Reserved.

6.2 Entrances. At least one (1) accessible entrance that complies with section 4.14 shall be protected from the weather by canopy or roof overhang. Such entrances shall incorporate a passenger loading zone that complies with section 4.6.6.

6.3 Patient Bedrooms. Provide accessible patient bedrooms in compliance with sections 4.1 through 4.35. Accessible patient bedrooms shall comply with the following:

- (1) Each bedroom shall have a door that complies with section 4.13.  
EXCEPTION: Entry doors to acute care hospital bedrooms for in-patients shall be exempted from the requirement in section 4.13.6 for maneuvering space at the latch side of the door if the door is at least forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) wide.
- (2) Each bedroom shall have adequate space to provide a maneuvering space that complies with section 4.2.3.
- (3) Each bedroom shall have adequate space to provide a minimum clear floor space of thirty-six (36) inches (nine hundred fifteen (915) millimeters) along each side of the bed and to provide an accessible route complying with section 4.3.3 to each side of each bed.

6.4 Patient Toilet Rooms. Where toilet/bath rooms are provided as a part of a patient bedroom, each patient bedroom that is required to be accessible shall have an accessible toilet/bath room that complies with section 4.22 or section 4.23 and shall be on an accessible route.

7.0 Business and Mercantile.

7.1 General. In addition to the requirements of sections 4.1 to 4.35, the design of all areas used for business transactions with the public shall comply with section 7.0.

7.2 Sales and Service Counters, Teller Windows, Information Counters.

(1) In department stores and miscellaneous retail stores where counters have cash registers and are provided for sales or distribution of goods or services to the public, at least one (1) of each type shall have a portion of the counter which is at least thirty-six (36) inches (nine hundred fifteen (915) millimeters) in length with a maximum height of thirty-six (36) inches (nine hundred fifteen (915) millimeters) above the finish floor. It shall be on an accessible route complying with section 4.3. The accessible counters must be dispersed throughout the building or facility.

(2) At ticketing counters, teller stations in a bank, registration counters in hotels and motels, box office ticket counters, and other counters that may not have a cash register but at which goods or services are sold or distributed, either:

- (i) a portion of the main counter which is a minimum of thirty-six (36) inches (nine hundred fifteen (915) millimeters) in length shall be provided with a maximum height of thirty-six (36) inches (nine hundred fifteen (915) millimeters); or
- (ii) an auxiliary counter with a maximum height of thirty-six (36) inches (nine hundred fifteen (915) millimeters) in close proximity to the main counter shall be provided; or
- (iii) equivalent facilitation shall be provided (e.g., at a hotel registration counter, equivalent facilitation might consist of: (1) provision of a folding shelf attached to the main counter on which an individual with disabilities can write, and (2) use of the space on the side of the counter or at the concierge desk, for handing materials back and forth).

All accessible sales and service counters shall be on an accessible route complying with [section] 4.3.

(3) Reserved.

7.3 Check-Out Aisles.

(1) Accessible check-out aisles shall be provided in conformance with the table below:

Total Check-Out Aisles of Each Design	Minimum Number of Accessible Check-Out Aisles (of each design)
1-4	1
5-8	2
8-15	3
Over 15	3, plus 20% of additional aisles

EXCEPTION: Where the selling space is under five thousand (5,000) square feet, only one (1) check-out aisle is required to be accessible.

Examples of check-out aisles of different “design” include those which are specifically designed to serve different functions. Different “design” includes, but is not limited to, the length of belt or no belt, or permanent signage designating the aisle as an express lane.

(2) Clear aisle width for accessible check-out aisles shall comply with section 4.2.1 and maximum adjoining counter height shall not exceed thirty-eight (38) inches (nine hundred sixty-five (965) millimeters) above the finish floor. The top of the lip shall not exceed forty (40) inches (one thousand fifteen (1,015) millimeters) above the finish floor.

(3) Signage identifying accessible check-out aisles shall comply with section 4.30.7 and shall be mounted above the check-out aisle in the same location where the check-out number or type of check-out is displayed.

7.4 Security Bollards. Any device used to prevent the removal of shopping carts from store premises shall not prevent access or egress to people in wheelchairs. An alternate entry that is equally convenient to that provided for the ambulatory population is acceptable.

8.0 Libraries.

8.1 General. In addition to the requirements of sections 4.1 to 4.35, the design of all public areas of a library shall comply with section 8.0, including reading and study areas, stacks, reference rooms, reserve areas, and special facilities or collections.

8.2 Reading and Study Areas. At least five percent (5%) or a minimum of one (1) of each element of fixed seating, tables, or study carrels shall comply with sections 4.2 and 4.32. Clearances between fixed accessible tables and between study carrels shall comply with section 4.3.

8.3 Check-out Areas. At least one (1) lane at each check-out area shall comply with section 7.2(1). Any traffic control or book security gates or turnstiles shall comply with section 4.13.

8.4 Card Catalogs and Magazine Displays. Minimum clear aisle space at card catalogs and magazine displays shall comply with Fig. 55. Maximum reach height shall comply with section 4.2, with a height of forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) preferred irrespective of approach allowed.

8.5 Stacks. Minimum clear aisle width between stacks shall comply with section 4.3, with a minimum clear aisle width of forty-two (42) inches (one thousand sixty-five (1,065) millimeters) preferred where possible. Shelf height in stack areas is unrestricted (see Fig. 56).

9.0 Accessible Transient Lodging. Except as specified in the special technical provisions of this section, accessible transient lodging shall comply with the applicable requirements of sections 4.1 through 4.35. Transient lodging includes facilities or portions thereof used for sleeping accommodations, when not classed as a medical care facility.

9.1 Hotels, Motels, Inns, Boarding Houses, Dormitories, Resorts, and Other Similar Places of Transient Lodging.

9.1.1 General. All public use and common use areas are required to be designed and constructed to comply with section 4.0.

EXCEPTION: Sections 9.1 through 9.4 do not apply to an establishment located within a building that contains not more than five (5) rooms for rent or hire and that is actually occupied by the proprietor of such establishment as the residence of such proprietor.

9.1.2 Accessible Units, Sleeping Rooms, and Suites. Accessible sleeping rooms or suites that comply with the requirements of section 9.2 shall be provided in conformance with the table below. In addition, in hotels of fifty (50) or more sleeping rooms or suites that include roll-in showers shall also be provided in conformance with the table below. In addition, in hotels of fifty (50) or more sleeping rooms or suites, additional accessible sleeping rooms or suites that include a roll-in shower shall also be provided in conformance with the table below. Such accommodations shall comply with the requirements of sections 9.2, 4.21, and Fig. 57(a) or 57(b).

Number of Rooms	Accessible Rooms	Rooms with Roll-In Showers
1 to 25	1	
26 to 50	2	
51 to 75	3	1
76 to 100	4	1
101 to 150	5	2
151 to 200	6	2
201 to 300	7	3
301 to 400	8	4
401 to 500	9	4 plus 1 for each additional 100 over 400
501 to 1,000	2% of total	
1,001 and over	20 plus 1 for each 100 over 1,000	

9.1.3 Sleeping Accommodations for Persons with Hearing Impairments. In addition to those accessible sleeping rooms and suites required by section 9.1.2, sleeping rooms and suites that comply with section 9.3 (Visual Alarms, Notification Devices, and Telephones) shall be provided in conformance with the following table:

Number of Elements	Accessible Elements
1 to 2	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1,000	2% of total



9.3 Visual alarms, Notification Devices and Telephones.

9.3.1 General. In sleeping rooms required to comply with this section, auxiliary visual alarms shall be provided and shall comply with [section] 4.28.4. Visual notification devices shall also be provided in units, sleeping rooms, and suites to alert room occupants of incoming telephone calls and a door knock or bell. Notification devices shall not be connected to auxiliary visual alarm signal appliances. Permanently installed telephones shall have volume controls complying with [section] 4.31.5: an accessible electrical outlet within four (4) feet (one thousand two hundred twenty (1,220) millimeters) of a telephone connection shall be provided to facilitate the use of a text telephone.

9.3.2 Equivalent Facilitation. For purposes of this section, equivalent facilitation shall include the installation of electrical outlets (including outlets connected to a facility’s central alarm system) and telephone wiring in sleeping rooms and suites to enable persons with hearing impairments to utilize portable visual alarms and communication devices provided by the operator of the facility.

9.4 Other Sleeping Rooms and Suites. Doors and doorways designed to allow passage into and within all sleeping units or other covered units shall comply with [section] 4.13.5.

9.5 Transient Lodging in Homeless Shelters, Halfway Houses, Transient Group Homes, and Other Social Service Establishments.

9.5.1 New Construction. In new construction, all public use and common use areas are required to be designed and constructed to comply with section 4. At least one (1) of each type of amenity (such as washers, dryers, and similar equipment installed for the use of occupants) in each common area shall be accessible and shall be located on an accessible route to any accessible unit or sleeping accommodation.

EXCEPTION: Where elevators are not provided as allowed in [section] 4.1.3(5), accessible amenities are not required on inaccessible floors as long as one (1) of each type is provided in common areas on accessible floors.

9.5.2 Reserved.

9.5.3 Accessible Sleeping Accommodations in New Construction. Accessible sleeping rooms shall be provided in conformance with the table in [section] 9.1.2 and shall comply with [section] 9.2 Accessible Units, Sleeping Rooms and Suites (where the items are provided). Additional sleeping rooms that comply with [section] 9.3 Sleeping Accommodations for Persons with Hearing Impairments shall be provided in conformance with the table provided in [section] 9.1.3. In facilities with multi-bed rooms or spaces, a percentage of the beds equal to the table provided in [section] 9.1.2 shall comply with [section] 9.2.2(1).

10.0 Reserved.

11.0 Children’s Facilities.

11.1 Application. This section applies to facilities, or portion of facilities, constructed according to children’s dimensions and anthropometrics for ages 2 through 12. Facilities covered by this section shall comply with the applicable requirements of [sections] 4.1 through 4.35 and the special application sections, except as modified or otherwise provided in this section. All public and common use areas covered by this section are required to be designed and constructed to comply with [sections] 4.1 through 4.35, except as modified or otherwise provided in this section. Accessible elements and spaces covered by this section shall be on an accessible route complying with [sections] 4.3, 11.3, and 11.4. The specifications in this section are based on children’s dimensions and anthropometrics.

The phrase “constructed according to children’s dimensions and anthropometrics” means where the construction of a facility reflects the size and dimensions, reach ranges, level of strength and stamina, or other characteristics of children. Facilities constructed that do not reflect children’s characteristics are not covered by this section.

11.2 Reach Ranges.

11.2.1 General. The requirements in [sections] 4.2.5 and 4.2.6 are modified by the following provisions.

11.2.2 Forward and Side Reach. The high forward or high side reach, and the low forward or low side reach shall comply with A, B, or C in the table below. Selection A, B, or C should correspond to the age range of the primary user group.

Forward and Side Reach

A	(ages 2 through 4):	High Reach (not more than)—36 inches Low Reach (not less than)—20 inches
B	(ages 5 through 8):	High Reach—40 inches Low Reach—18 inches
C	(ages 9 through 12):	High Reach—44 inches Low Reach—16 inches

11.3 Protruding Objects. The requirements in [section] 4.4.1 are modified by [section] 11.3. Objects projecting from walls with their leading edges between twelve (12) inches and eighty (80) inches (three hundred five (305) millimeters and two thousand thirty

(2,030) millimeters) above the finish floor shall protrude no more than four (4) inches (one hundred (100) millimeters) into walks, halls, corridors, passageways, or aisles. Objects mounted with their leading edges at or below twelve (12) inches (three hundred five (305) millimeters) above the finish floor may protrude any amount. Free-standing objects mounted on posts or pylons may overhang twelve (12) inches (three hundred five (305) millimeters) maximum from twelve (12) inches to eighty (80) inches (three hundred five (305) millimeters) to two thousand thirty (2,030) millimeters) above the ground or finish floor. Protruding objects shall not reduce the clear width of an accessible route or maneuvering space.

11.4 Handrails at Ramps and Stairs.

11.4.1 General. In addition to the handrails required by *[sections]* 4.8 and 4.9, a second set of handrails shall be provided complying with *[section]* 4.8.5 or 4.9.4 and 4.26.2, except as modified by the following provisions.

11.4.2 Height. The top of handrail gripping surfaces shall be mounted between twenty (20) inches and twenty-eight (28) inches (five hundred ten (510) millimeters and seven hundred ten (710) millimeters) above ramp surfaces on stair nosings.

11.4.3 Size. The gripping surfaces of handrails shall have a diameter or width of one (1) inch to one and one-fourth (1¼) inches (twenty-five (25) millimeters to thirty (30) millimeters), or the shape shall provide an equivalent gripping surface.

11.5 Drinking Fountains and Water Coolers.

11.5.1 General. Drinking fountains or water coolers required to be wheelchair accessible by *[section]* 4.1 shall comply with *[section]* 4.15, except as modified by *[section]* 11.5. The requirements in *[sections]* 4.15.2 and 4.15.5 are modified by the following provisions.

11.5.2 Spout Height. Spouts shall be no higher than thirty (30) inches (seven hundred sixty (760) millimeters), measured from the floor or ground surface to the spout outlet.

11.5.3 Clearances. Wall-mounted and post-mounted cantilevered units shall have a clear knee space between the bottom of the apron and the floor or ground at least twenty-four (24) inches (six hundred ten (610) millimeters) high and eight (8) inches (two hundred five (205) millimeters) deep, measured from the leading edge of the fountain. Clear toe space shall be twelve (12) inches (three hundred five (305) millimeters) high minimum, measured from the finish floor. Such units shall also have a minimum clear floor space thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters) by one thousand two hundred twenty (1,220) millimeters) to allow a forward approach to the unit. The clear floor space may extend a maximum of fourteen (14) inches (three hundred five (305) mm) underneath the fountain.

11.6 Water Closets, Toilet Seats, Grab Bars, and Toilet Paper Dispensers.

11.6.1 General. Water closets required to be accessible by *[section]* 4.22.4 shall comply with *[section]* 4.16, except as modified by *[section]* 11.6. The requirements in *[sections]* 4.16 and 4.26.2 are modified by the following provisions.

11.6.2 Placement. The centerline and seat height of the water closet and the centerline height of the grab bars and toilet paper dispenser shall comply with A, B, or C in the table below. Selection of A, B, or C should correspond to the age range of the primary user group. The centerline of water closets shall be measured from one (1) side wall or stall partition.

Specifications for Water Closets, Toilet Seats, Grab Bars, and Toilet Paper Dispensers

A: Ages 2 through 4

- Water closet centerline—12 inches
- Toilet seat height—11 inches to 12 inches
- Grab bar height—18 inches to 20 inches
- Dispenser height—14 inches

B: Ages 5 through 8

- Water closet centerline —12 inches to 15 inches
- Toilet seat height—12 inches to 15 inches
- Grab bar height—20 inches to 25 inches
- Dispenser height—14 inches to 17 inches

C: Ages 9 through 12

- Water closet centerline —15 inches to 18 inches
- Toilet seat height—15 inches to 17 inches
- Grab bar height—25 inches to 27 inches
- Dispenser height—17 inches to 19 inches

11.6.3 Grab Bar Size. The diameter or width of the gripping surface of a grab bar shall be one (1) inch to one and one-fourth (1¼) inches (twenty-five (25) mm to thirty (30) mm), or the shape shall have an equivalent gripping surface.

11.6.4 Flush Controls. Flush controls shall be located within the reach range specified by [section] 11.2.

11.7 Toilet Stalls.

11.7.1 General. Toilet stalls required to be accessible by [section] 4.22.4 shall comply with [section] 4.17, except as modified by [section] 11.7. The requirements in [sections] 4.17.2, 4.17.3, 4.17.4, 4.17.6, and 4.26.2 are modified by the following provisions.

11.7.2 Water Closets. Water closets in accessible stalls shall comply with [section] 11.6.

11.7.3 Depth. Standard stalls with floor-or-wall-mounted water closets shall have a depth of fifty-nine (59) inches (one thousand five hundred (1,500) millimeters) minimum. Standard stalls at the end of a row with floor-or-wall-mounted water closets shall have a depth of fifty-nine (59) inches (one thousand five hundred (1,500) millimeters) in addition to the minimum thirty-six (36) inches (nine hundred fifteen (915) millimeters) required for the stall door.

11.7.4 Toe Clearance. In standard stalls of minimum dimension, the front partition and at least one (1) side partition shall provide a toe clearance of twelve (12) inches (three hundred five (305) millimeters) minimum above the finish floor. If the depth of the stall is greater than sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters), then the toe space is not required.

11.7.5 Grab Bars. Grab bar mounting heights shall comply with the heights specified in [section] 11.6. The diameter or width of the gripping surfaces of a grab bar shall be one (1) inch to one and one-fourth (1¼) inches (twenty-five (25) millimeters to thirty (30) millimeters), or the shape shall provide an equivalent gripping surface.

11.8 Lavatories and Mirrors.

11.8.1 General. Lavatories and mirrors required to be accessible by [sections] 4.22.6 and 4.23.6 shall comply with [section] 4.19, except as modified by [section] 11.8. The requirements in [sections] 4.19.2, 4.19.3, and 4.19.6 are modified by the following provisions.

11.8.2 Height and Clearances. Lavatories shall be mounted with the rim or counter surface no higher than thirty (30) inches (seven hundred sixty (760) millimeters) above the finish floor. A clearance of twenty-seven (27) inches (six hundred eighty-five (685) millimeters) minimum measured from the finish floor to the bottom of the apron shall be provided. Minimum clear knee space twenty-four (24) inches (six hundred ten (610) millimeters) high, measured from the finish floor, and eight (8) inches (two hundred five (205) millimeters) deep, measured from the leading edge of the lavatory, shall be provided. Clear toe space shall be twelve (12) inches (three hundred five (305) millimeters) high minimum, measured from the finish floor.

11.8.3 Clear Floor Space. Clear floor space shall extend a maximum of fourteen (14) inches (three hundred fifty-five (355) millimeters) underneath the lavatory.

11.8.4 Mirrors. Mirrors shall be mounted with the bottom edge of the reflecting surface no higher than thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the finish floor.

11.9 Storage.

11.9.1 General. Fixed storage facilities such as lockers, cabinets, shelves, closets, and drawers required to be accessible by [section] 4.1 shall comply with [section] 4.25, except as modified by [section] 11.9. The requirements in [section] 4.25.3 are modified by the following provisions.

11.9.2 Height. Accessible storage spaces shall be within at least one (1) of the reach ranges specified in [section] 11.2. Clothes rods, hooks, or shelves shall be a maximum of thirty-six (36) inches (nine hundred fifteen (915) mm) above the finish floor for a side approach.

11.10 Fixed or Built-in Seating and Tables.

11.10.1 General. Fixed or built-in seating or tables required to be accessible by [section] 4.1 shall comply with [section] 4.32, except as modified by [section] 11.10. The requirements in [sections] 4.32.2, 4.32.3, and 4.32.4 are modified by the following provisions.

11.10.2 Seating. Clear floor space shall not overlap knee space by more than fourteen (14) inches (three hundred fifty-five (355) millimeters).

11.10.3 Knee Clearances. Knee clearance at least twenty-four (24) inches (six hundred ten (610) millimeters) high, thirty (30) inches (seven hundred sixty (760) millimeters) wide, and fourteen (14) inches (three hundred fifty-five (355) millimeters) deep shall be provided.

11.10.4 Height of Tables or Counters. The tops of accessible tables and counters shall be from twenty-six (26) inches to thirty (30) inches (six hundred sixty (660) millimeters to seven hundred sixty (760) millimeters) above the finish floor or ground.

*[The following tables and figures were printed with the best available copy provided by the fire prevention and building safety commission.]*

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Table 1  
Graphic Conventions

Convention	Description
	Typical clearance line showing U.S. customary units (in inches) above the line and SI units (in millimeters) below
	Dimensions for start dimensions indicated on extended line
	Dimension line showing alternate dimensions required
	Direction of approach
	Maximum
	Minimum
	Boundary of clear floor area
	Curve

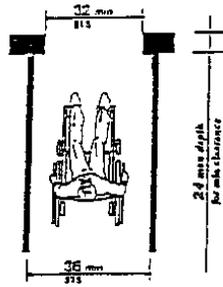


Fig. 1  
Minimum Clear Width  
for Single Wheelchair

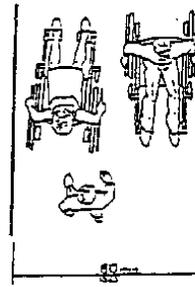


Fig. 2  
Minimum Clear Width  
for Two Wheelchairs

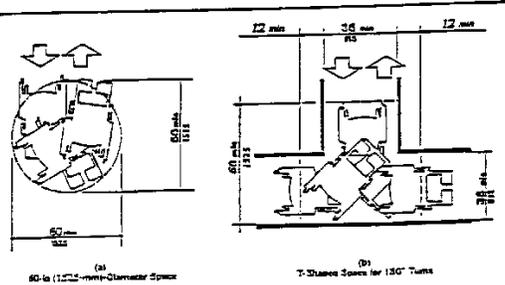
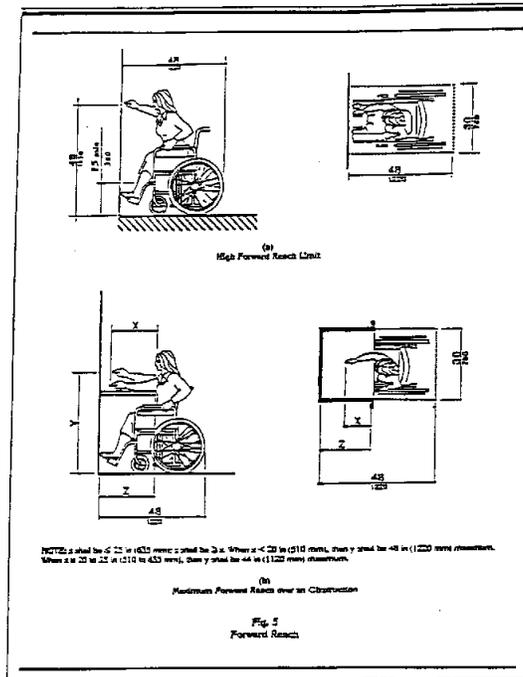
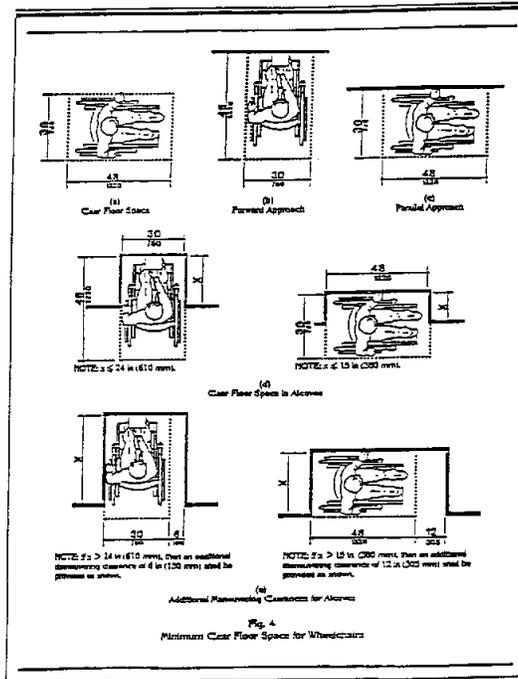
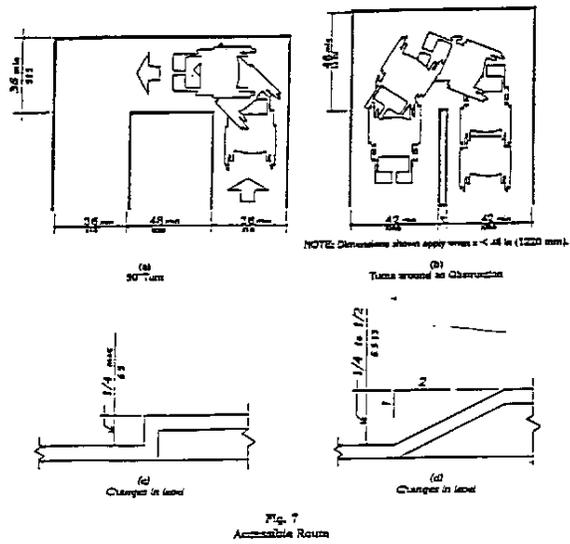
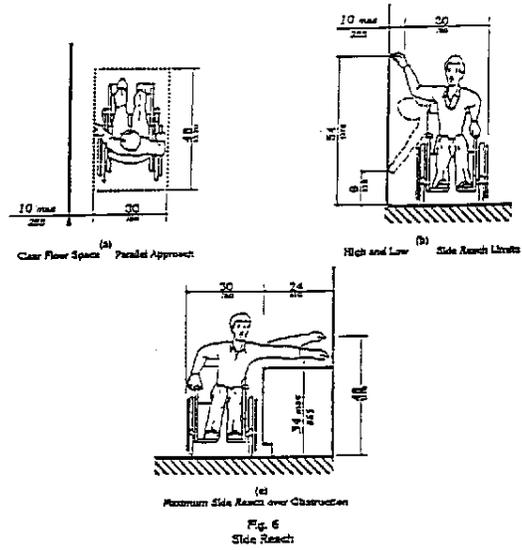


Fig. 3  
Wheelchair Turning Space





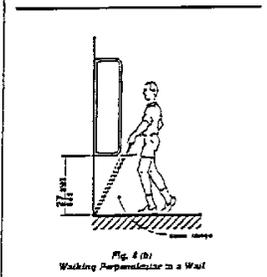
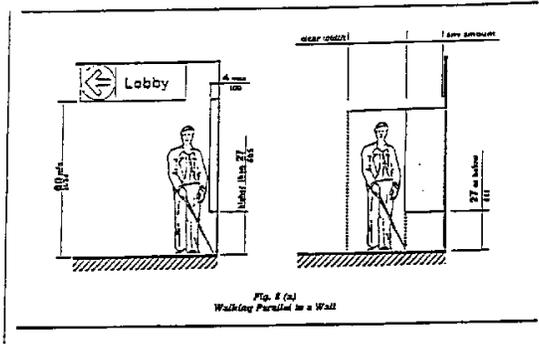
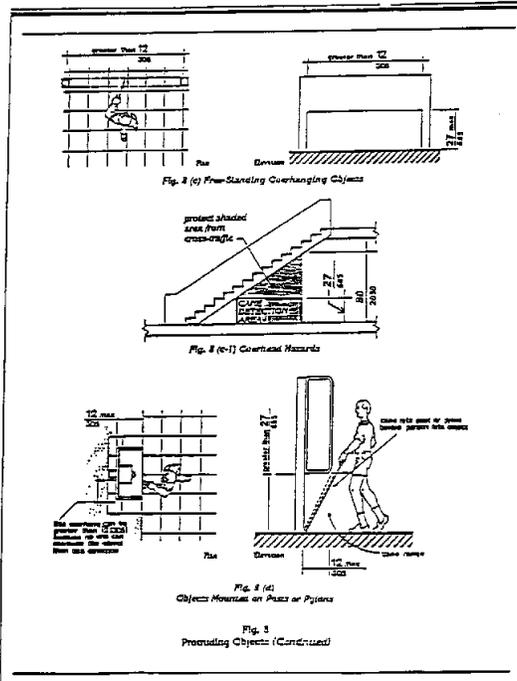


Fig. 4  
Protruding Objects



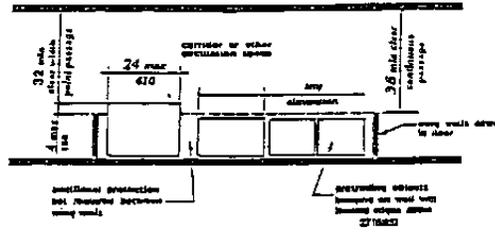


Fig. 8 (e)  
 Example of Protection around Wall-Mounted Objects and Measurements of Clear Widths

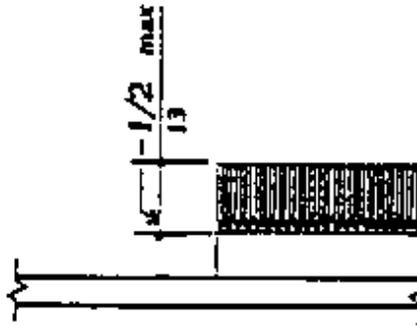


Fig. 8 (f)  
 Carpet Pile Thickness

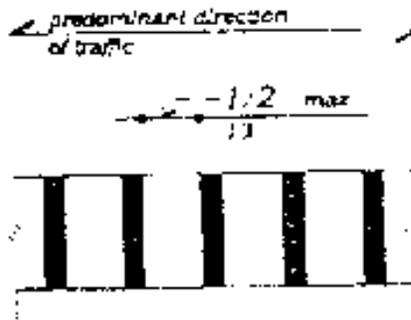


Fig. 8 (g)  
 Gratings

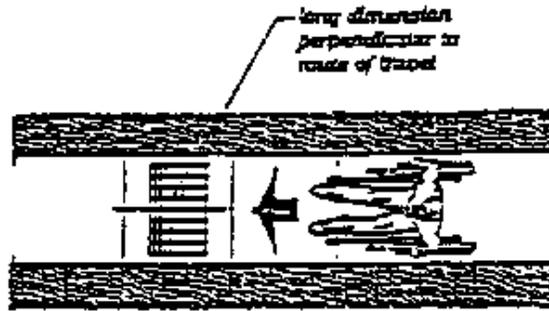


Fig. 8(b)  
Corridor Orientation

FIGURE 9 (RESERVED)

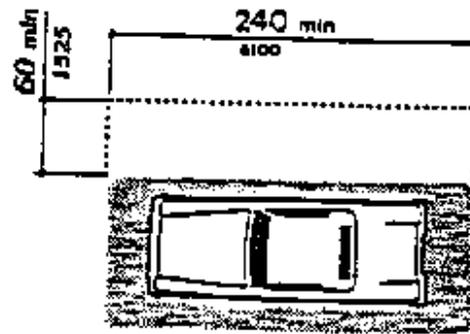


Fig. 10  
Access Aisle at Passenger Loading Zones

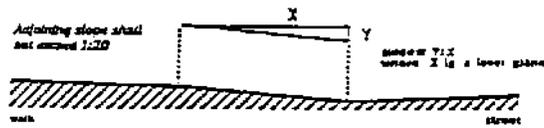


Fig. 11  
Measurement of Curb Ramp Slopes

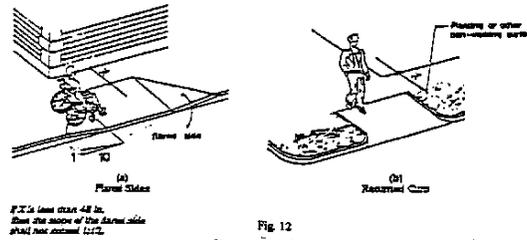


Fig. 12  
Sides of Curb Ramps

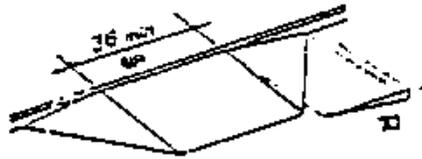


Fig. 13  
Built-Up Curb Ramp

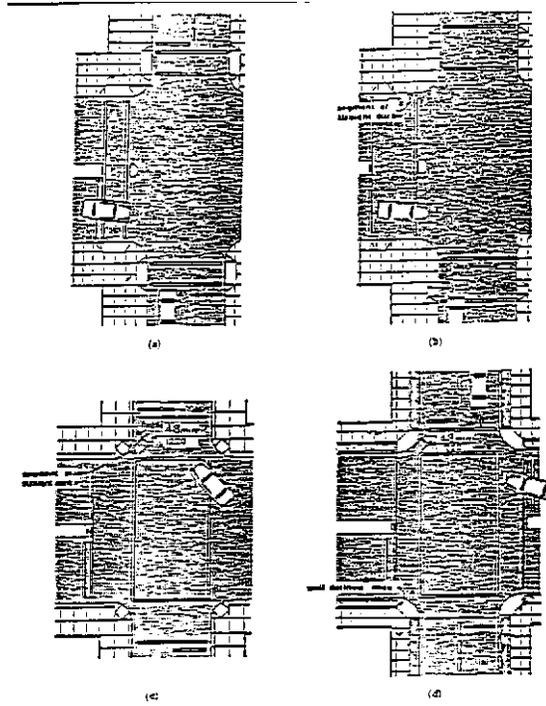


Fig. 15  
Curb Ramps at Marked Crossings

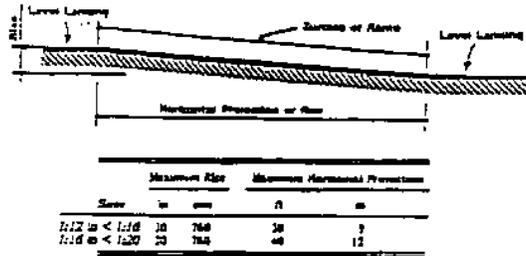
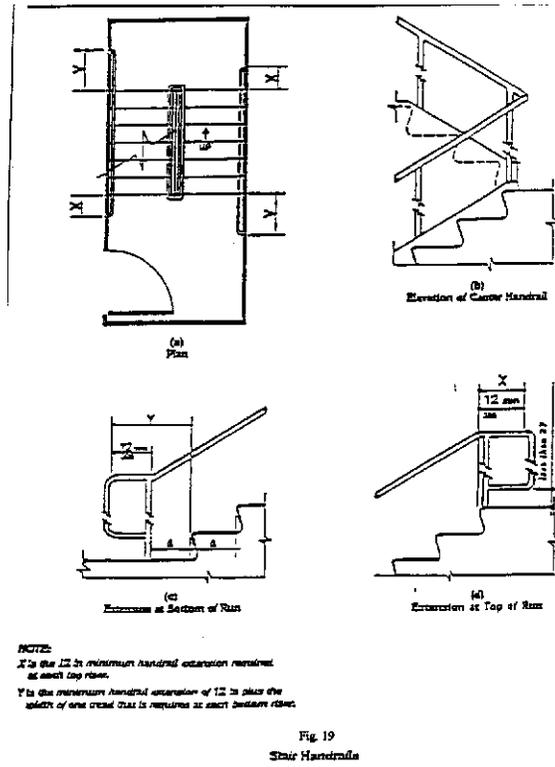
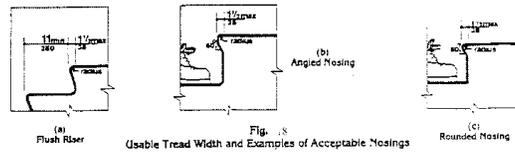
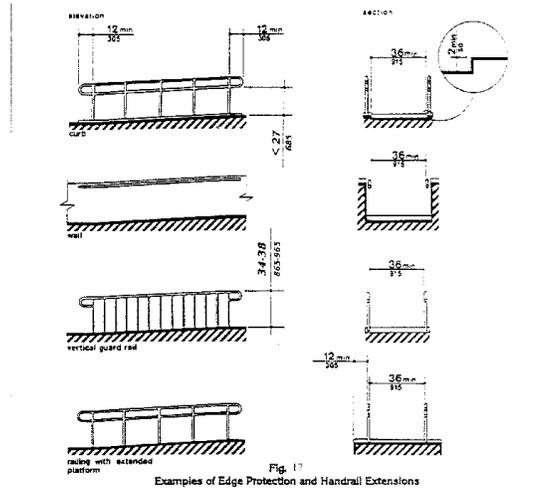
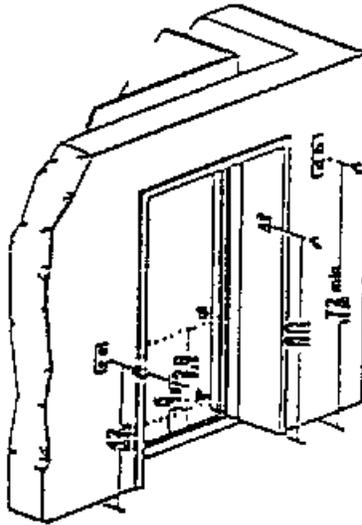


Fig. 16  
Components of a Single Ramp Run and Sample Ramp Dimensions





NOTE: The automatic door releasing device is activated if an object passes through either line A or line B. Line A and line B represent the vertical locations of the door releasing device not requiring contact.

Fig. 20  
 Halway and Elevator Entrances

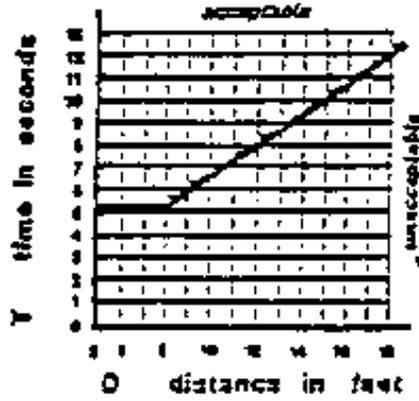
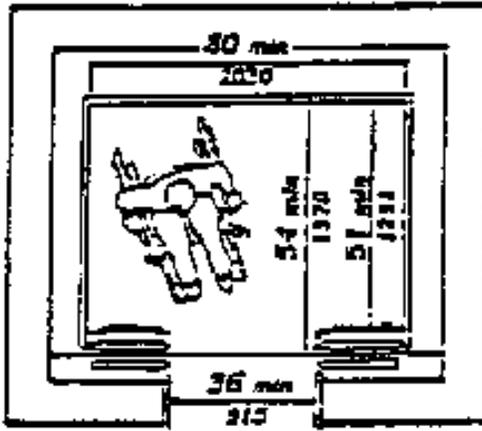
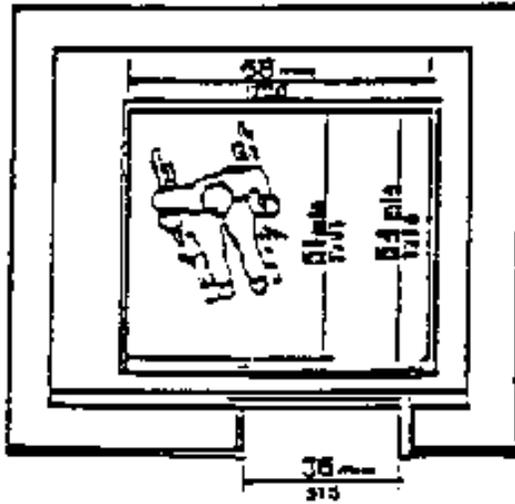


Fig. 21  
 Graph of Timing Equation



(a)



(b)

Fig. 22

Minimum Dimensions of Elevator Cars

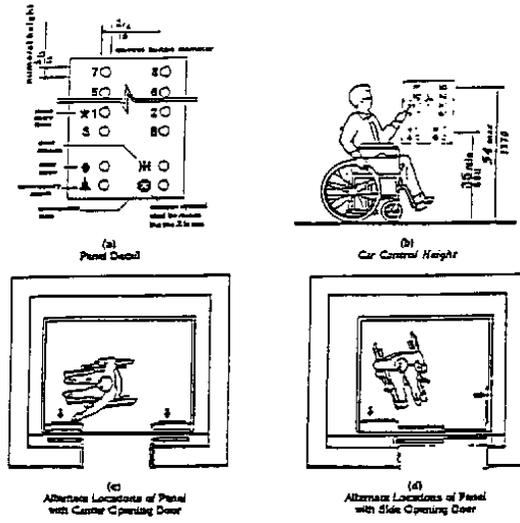


Fig. 23  
Car Controls

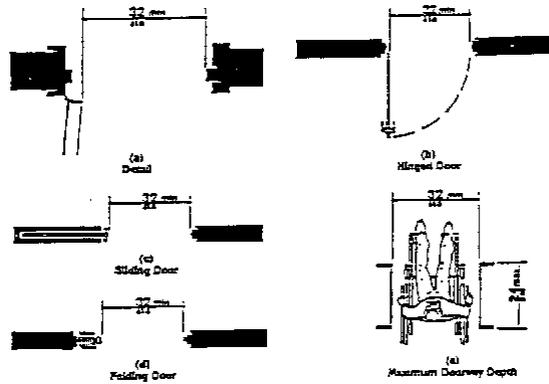


Fig. 24  
Clear Doorway Width and Depth

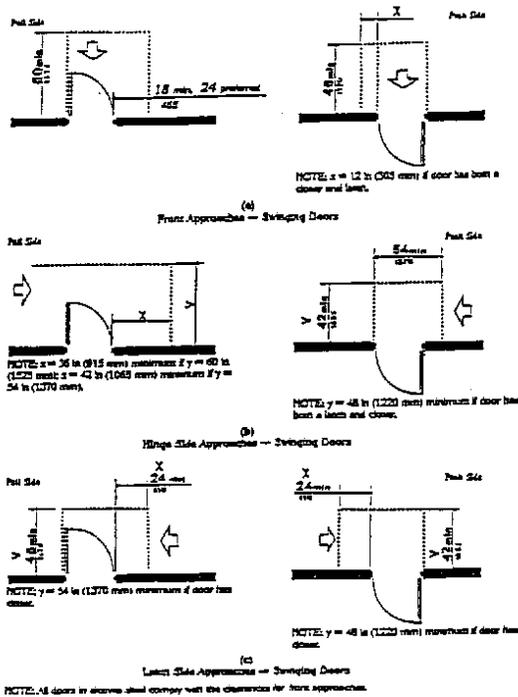


Fig. 25

Maneuvering Clearances at Doors

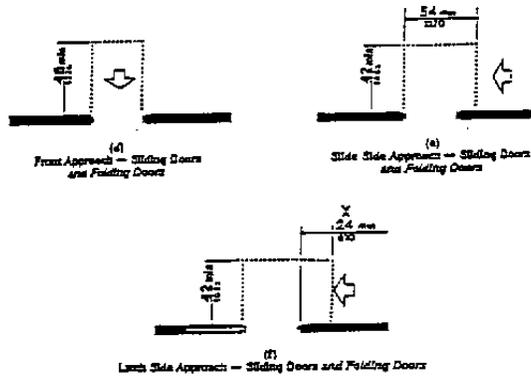


Fig. 25

Maneuvering Clearances at Doors (Continued)

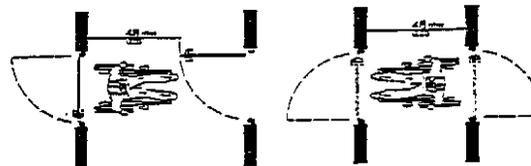


Fig. 26

Two Hinged Doors in Series

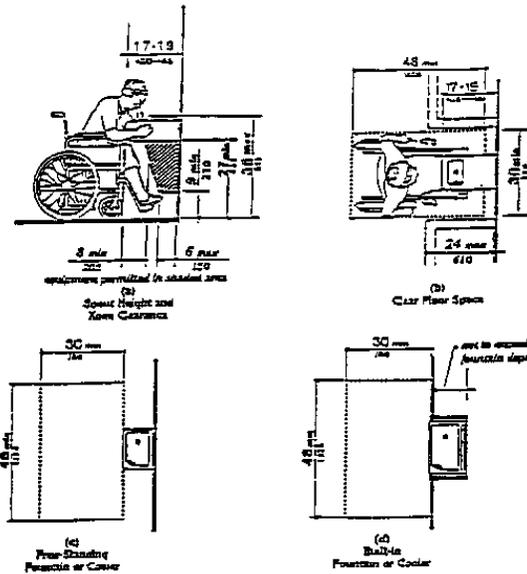


Fig. 27  
Drinking Fountains and Water Coolers

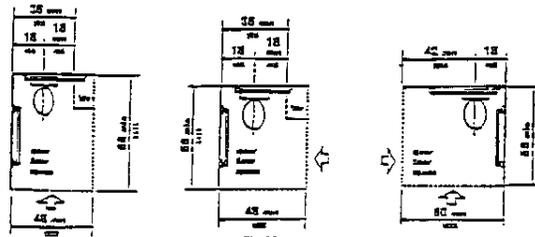


Fig. 28  
Clear Floor Space at Water Closets

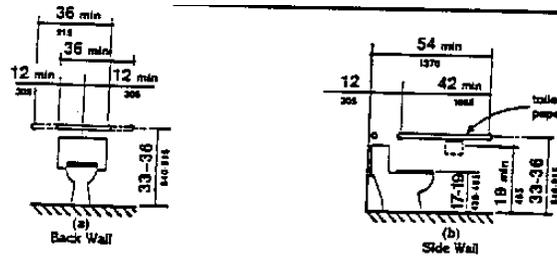
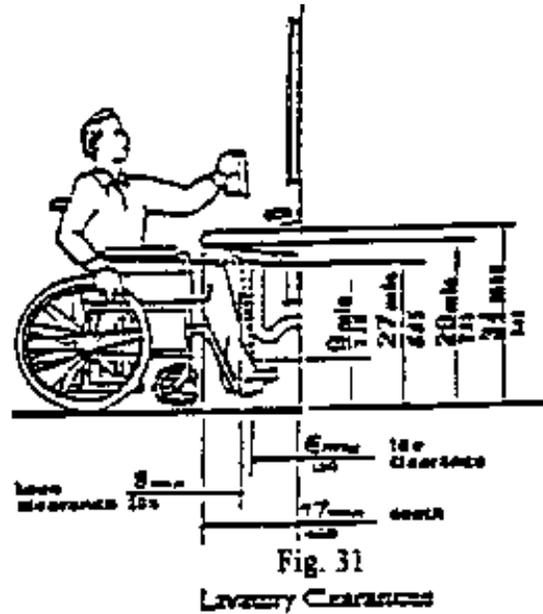
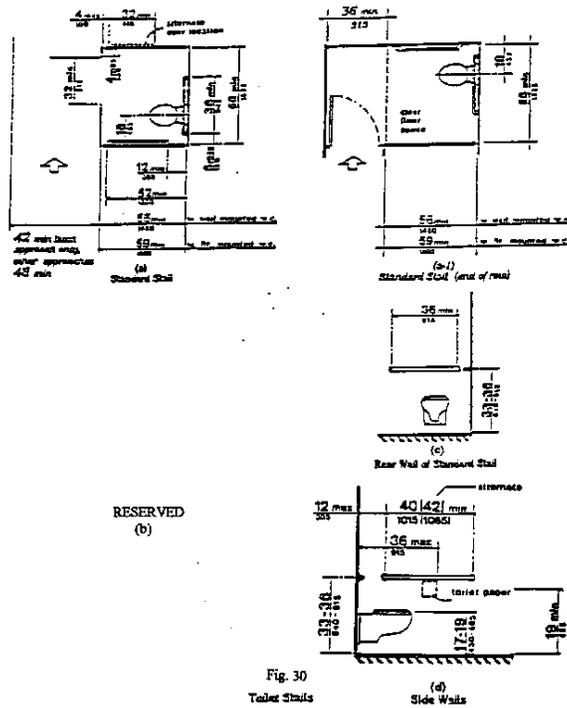


Fig. 29  
Grab Bars at Water Closets



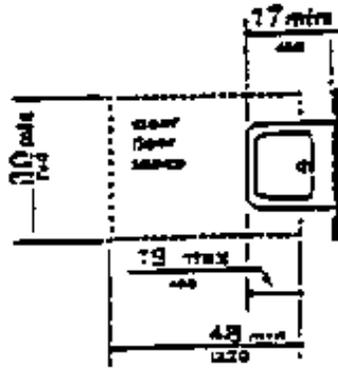


Fig. 32  
Clear Floor Space at Lavatories

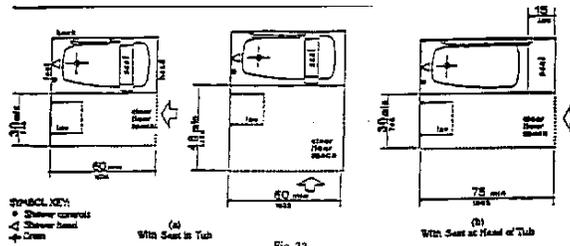


Fig. 33  
Clear Floor Space at Bathtubs

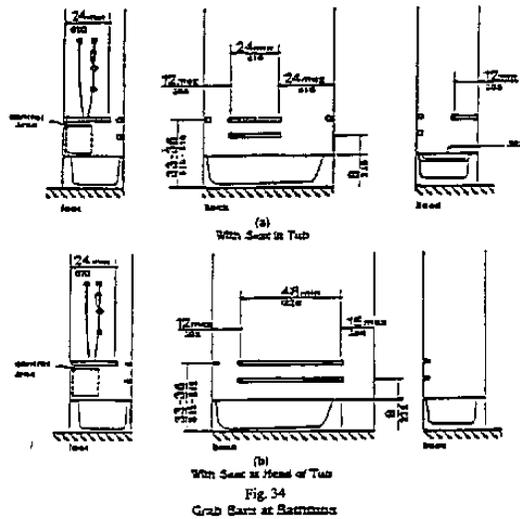
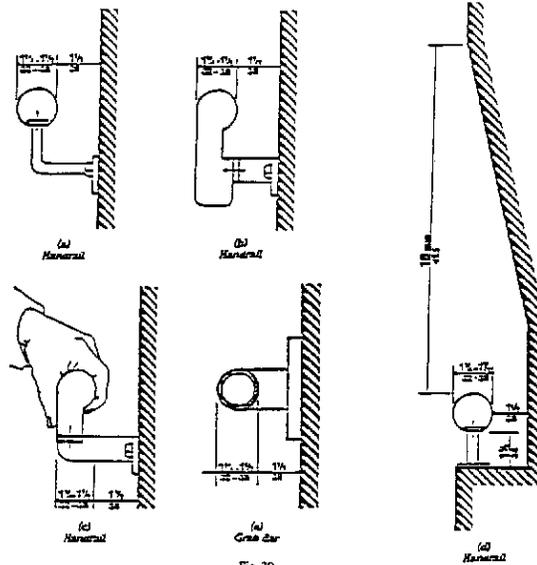
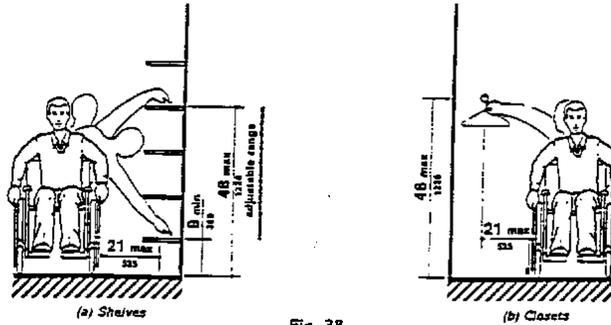
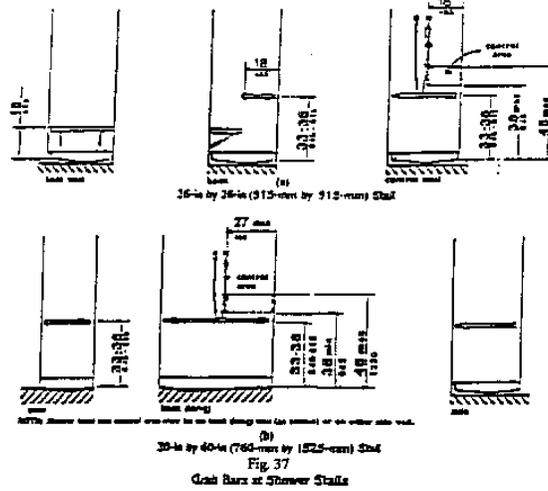
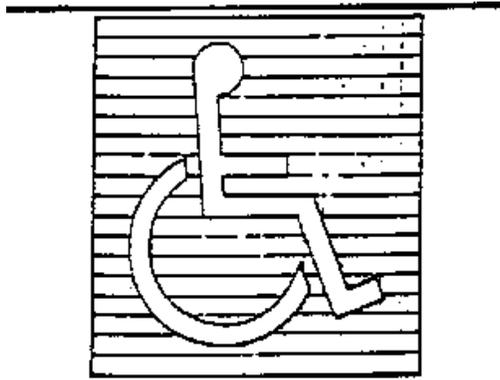


Fig. 34  
Grab Bars at Bathtubs







(a)  
Proportions  
International Symbol of Accessibility



(b)  
Display Conditions  
International Symbol of Accessibility



(c)  
International TDD Symbol



(d)  
International Symbol of Access for Hearing Loss

Fig 43  
International Symbols

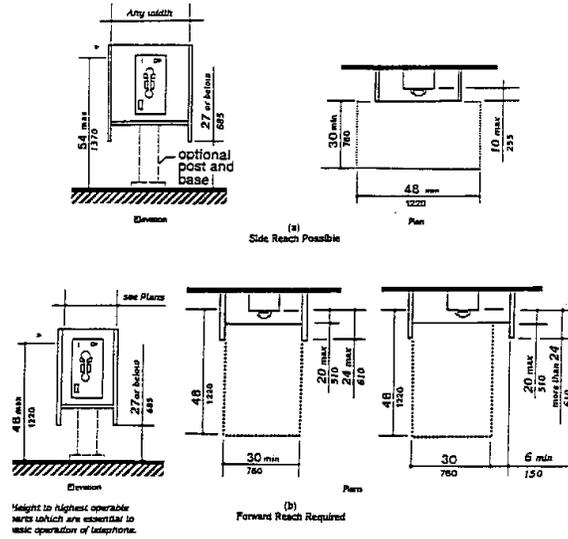


Fig. 44  
Mounting Heights and Clearances for Telephones

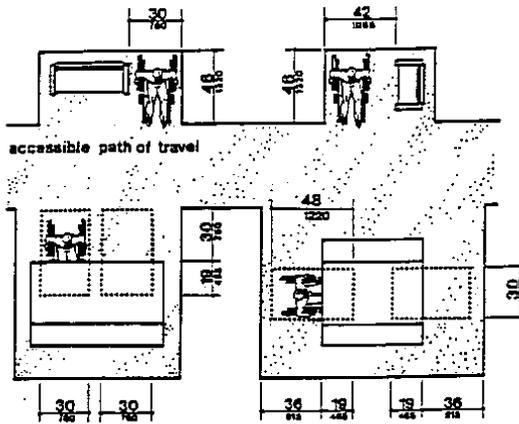


Fig. 45  
Minimum Clearances for Seating and Tables

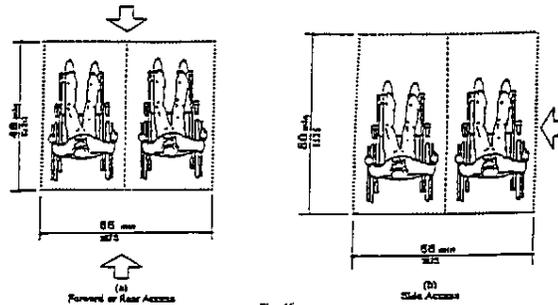


Fig. 46  
Space Requirements for Wheelchair Seating Specified in Series

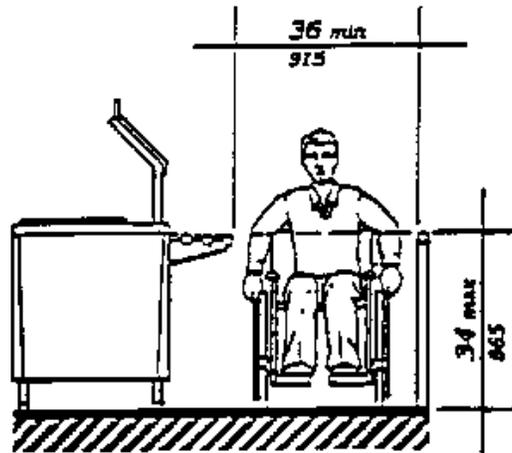


Fig. 53  
Food Service Lines

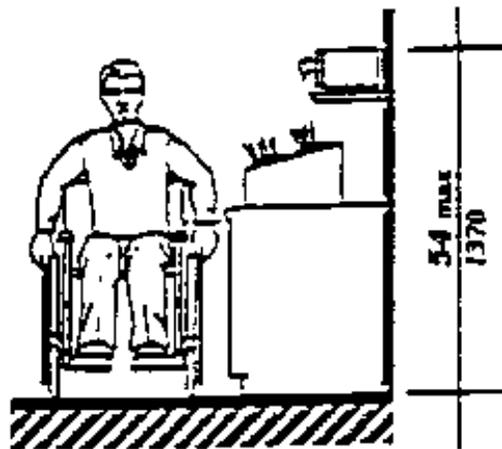


Fig. 54  
Tableware Areas

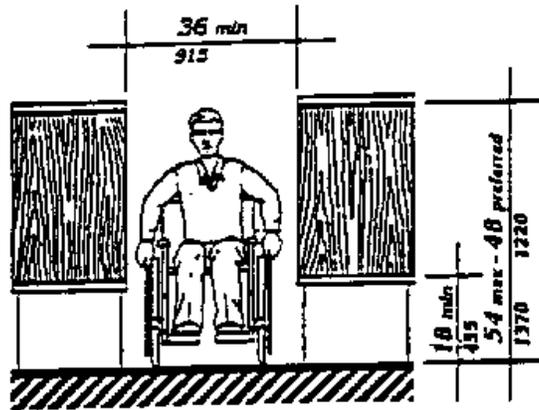


Fig. 55  
Card Catalog

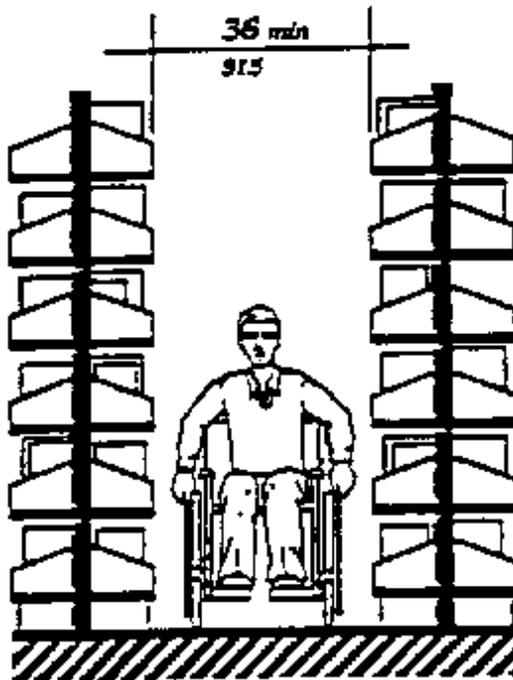


Fig. 56  
Stacks

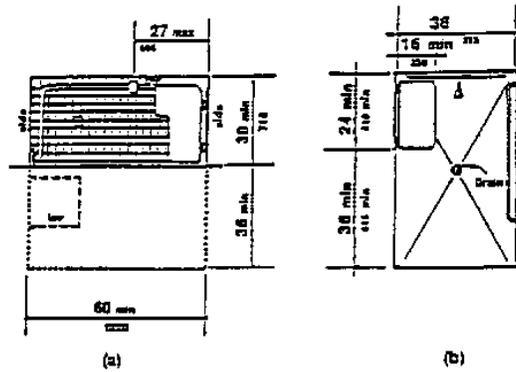


Fig. 37  
Roll-in Shower with Folding Seat

CHAPTER 11 - PART 2 - ACCESSIBILITY FOR COVERED MULTIFAMILY DWELLINGS  
Subpart A

1.1 Purpose. The purpose of this part is to implement a rule within the statutory authority of IC 22-13-2-2 and IC 22-13-4-1 that is compatible with the Fair Housing Act, 3601 et seq. The act prohibits discrimination on the basis of disability and requires that covered multifamily dwellings be accessible by persons with a disability.

1.2 Scope. Part 2 applies only to the design and construction of Class I covered multifamily dwellings.

2.0 Definitions.

ACCESSIBLE, when used with respect to the public and common use areas of a building containing covered multifamily dwellings, means that the public or common use areas of the building can be approached and entered by persons with a disability.

ACCESSIBLE ROUTE means a continuous unobstructed path connecting accessible elements and spaces in a building or within a site that can be negotiated by a person with a disability using a wheelchair. Interior accessible routes may include corridors, floors, ramps, elevators, and lifts. Exterior accessible routes may include parking access aisles, curb ramps, walks, ramps, and lifts. A route that complies with the appropriate requirements of CABO/ANSI A117.1 1992 is an accessible route.

ADAPTABLE DWELLING UNITS, when used with respect to covered multifamily dwellings, means dwelling units that include the features of adaptable design specified in section 3.0(c)(2) through 3.0(c)(3).

BATHROOM means a bathroom which includes a water closet (toilet), lavatory (sink), and bathtub or shower. It does not include single-fixture facilities or those with only a water closet and lavatory. It does include a compartmented bathroom. A compartmented bathroom is one in which the fixtures are distributed among interconnected rooms. A compartmented bathroom is considered a single unit and is subject to the requirements for bathrooms.

BUILDING, for the purpose of this part, means a structure, facility, or portion thereof that contains or serves four (4) or more dwelling units.

BUILDING ENTRANCE ON AN ACCESSIBLE ROUTE means an accessible entrance to a building within the site where the covered multifamily dwelling is located that is connected by an accessible route to public transportation stops, to parking or passenger loading zones, or to public streets or sidewalks, if available. A building entrance that complies with CABO/ANSI A117.1 1992 complies with the requirements of this paragraph.

CABO/ANSI A117.1-1992 as adopted by reference in subpart B of part 2 refers to the American National Standard-Accessible and Usable Buildings and Facilities CABO/ANSI A117.1-1992.

CLEAR means unobstructed.

COMMON USE AREA means rooms, spaces, or elements inside or outside of a building that are made available to the residents of a building or the guests thereof. These areas include hallways, lounges, lobbies, laundry rooms, refuse rooms, mail rooms, recreational areas, and passageways among and between buildings.

COVERED MULTIFAMILY DWELLINGS means buildings consisting of four (4) or more dwelling units if such buildings have one (1) or more elevators; and ground floor dwelling units in other buildings consisting of four (4) or more dwelling units. Dwelling units within a single structure separated by area separation walls do not constitute separate buildings.

DWELLING UNIT, for the purpose of this part, means a single unit of residence for a household of one (1) or more persons. Examples of dwelling units covered by this part include:

- (1) condominiums;
- (2) an apartment unit within an apartment building;
- (3) other types of dwellings in which sleeping accommodations are provided but toileting or cooking facilities are shared by occupants of more than one (1) room or portion of the dwelling.

ENTRANCE means any exterior access point to a building or portion of a building used by residents for the purpose of entering. For purposes of this chapter, an entrance does not include a door to a loading dock or a door used primarily as a service entrance, even if residents without disabilities occasionally use that door to enter.

FINISHED GRADE, for purposes of this part, means the ground surface of the site after all construction, leveling, grading, and development has been completed.

GROUND FLOOR means a floor of a building with a building entrance on an accessible route. A building may have one (1) or more ground floors. Where the first floor containing dwelling units in a building is above grade, all units on that floor must be served by a building entrance on an accessible route. This floor will be considered to be a ground floor.

LOFT means:

- (1) an intermediate level between the floor and ceiling of any story located within a room or rooms of a dwelling; and
- (2) does not contain the only:
  - (A) bathing facility;
  - (B) lavatory;
  - (C) water closet;
  - (D) living area;
  - (E) eating area; or
  - (F) cooking area;within the dwelling unit.

MULTISTORY DWELLING UNIT means a dwelling unit with finished living space located on one (1) floor and the floor or floors immediately above or below it.

POWDER ROOM means a room with only a water closet (toilet) and lavatory (sink).

PUBLIC AREAS means interior or exterior rooms or spaces of a building that are made available to the general public.

SINGLE-STORY DWELLING UNIT means a dwelling unit with all finished living space located on one (1) floor.

SITE means a parcel of land bounded by a property line or a designated portion of a public right-of-way.

SLOPE means the relative steepness of the land between two (2) points.

STORY, for the purposes of this part, means that portion of a dwelling unit between the upper surface of any floor and the upper surface of the floor next above, or the roof of the unit. Within the context of dwelling units, the terms "story" and "floor" are synonymous.

UNDISTURBED SITE means before construction, leveling, grading, or development associated with the current project.

VEHICULAR OR PEDESTRIAN ARRIVAL POINTS means public or resident parking areas, public transportation stops, passenger loading zones, and streets or sidewalks within the site where the covered multifamily dwelling is located.

VEHICULAR ROUTE means a route intended for vehicular traffic, such as a street, driveway, or parking lot, within the site where the covered multifamily dwelling is located.

### 3.0 Design and Construction Requirements.

- (a) Covered multifamily dwellings shall be designed and constructed to have at least one (1) building entrance on an accessible route unless it is impractical to do so because of the terrain or unusual characteristics of the site.
- (b) Reserved.
- (c) All covered multifamily dwellings with a building entrance on an accessible route shall be designed and constructed in such a manner that:
  - (1) the public and common use areas are readily accessible to persons with a disability;
  - (2) all the doors designed to allow passage into and within all premises are sufficiently wide to allow passage by persons with a disability in wheelchairs;
  - (3) all premises within covered multifamily dwelling units contain the features of adaptable design, such as:
    - (i) an accessible route into and through the covered dwelling unit;
    - (ii) light switches, electrical outlets, thermostats, and other environmental controls in accessible locations;
    - (iii) reinforcements in bathroom walls to allow later installation of grab bars around the toilet, tub, shower stall,

and shower seat, where such facilities are provided; and

(iv) kitchens and bathrooms such that an individual in a wheelchair can maneuver about the space.

(d) Reserved.

(e) Compliance with the appropriate requirements of CABO/ANSI A117.1 1992 will satisfy the requirements of paragraph

(c)(3).

4.0 Reserved.

5.0 Guidelines.

Requirement 1. Accessible Building Entrance on an Accessible Route.

(1) Building entrance. Each building on a site shall have at least one (1) building entrance on an accessible route unless prohibited by the terrain, as provided in paragraph (2)(a)(i) or (2)(a)(ii), or unusual characteristics of the site, as provided in paragraph (2)(b). This requirement applies both to a single building on a site and to multiple buildings on a site.

(a) Separate Ground Floor Unit Entrances. When a ground floor unit of a building has a separate entrance, each such ground floor unit shall be served by an accessible route, except for any unit where the terrain or unusual characteristics of the site prohibit the provision of an accessible route to the entrance of that unit.

(b) Multiple Entrances. Only one (1) entrance is required to be accessible to any one (1) ground floor of a building, except in cases where an individual dwelling unit has a separate exterior entrance, or where the building contains clusters of dwelling units, with each cluster sharing a different exterior entrance. In every case, the accessible entrance shall be on an accessible route to the dwelling units it serves.

(2) Site impracticality. Covered multifamily dwellings with elevators shall be designed and constructed to provide at least one (1) accessible entrance on an accessible route, regardless of terrain or unusual characteristics of the site. Covered multifamily dwellings without elevators shall be designed and constructed to provide at least one (1) accessible entrance on an accessible route unless terrain or unusual characteristics of the site are such that the following conditions are found to exist:

(a) Site impracticality due to terrain. There are two (2) alternative tests for determining site impracticality due to terrain: the individual building test provided in paragraph (i), or the site analysis test provided in paragraph (ii). A site with a single building having a common entrance for all units shall be analyzed as described in paragraph (i). All other sites, including a site with a single building having multiple entrances serving either individual dwelling units or clusters of dwelling units, may be analyzed using the methodology in either paragraph (i) or paragraph (ii). For these sites for which either test is applicable, regardless of which test is selected, at least twenty percent (20%) of the total ground floor units in nonelevator buildings, on any site, shall comply with Chapter 11, Part 2.

(i) Individual building test. It is impractical to provide an accessible entrance served by an accessible route when the terrain of the site is such that:

(A) the slopes of the undisturbed site measured between the planned entrance and all vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance exceed ten percent (10%); and

(B) the slopes of the planned finished grade measured between the entrance and all vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance also exceed ten percent (10%).

If there are no vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance, the slope for the purpose of this paragraph (i) will be measured to the closest vehicular or pedestrian arrival point.

For purposes of this part, vehicular or pedestrian arrival points include public or resident parking areas and passenger loading zones, streets, or sidewalks. To determine site impracticality, the slope would be measured at ground level from the point of the planned entrance on a straight line to each vehicular or pedestrian arrival point that is within fifty (50) feet of the planned entrance or, if there are no vehicular or pedestrian arrival points within that specified area, the vehicular or pedestrian arrival point closest to the planned entrance. In the case of sidewalks, the closest point to the entrance will be where a public sidewalk entering the site intersects with the sidewalk to the entrance. In the case of resident parking areas, the closest point to the planned entrance will be measured from the entry point to the parking area that is located closest to the planned entrance.

(ii) Site analysis test. Alternatively, for a site having multiple buildings, or a site with a single building with multiple entrances, impracticality of providing an accessible entrance served by an accessible route can be established by the following steps:

(A) The percentage of the total building area of the undisturbed site with a natural grade less than ten percent (10%) slope shall be calculated. The analysis of the existing slope (before grading) shall be done on a topographic survey with two (2) foot contour intervals with slope determination made between each

successive interval. The accuracy of the slope analysis shall be certified by an architect, engineer, landscape architect, or surveyor.

(B) To determine the practicality of providing accessibility to planned multifamily dwellings based on the topography or the existing natural terrain, the minimum percentage of ground floor units to be made accessible should equal the percentage of the total building area (not including flood plains, wetlands, or other restricted use areas) of the undisturbed site that has an existing natural grade of less than ten percent (10%) slope.

(C) In addition to the percentage established in paragraph (B), all ground floor units in a building, or ground floor units served by a particular entrance, shall be made accessible if the entrance to the units is on an accessible route, defined as a walkway with a slope between the planned entrance and a pedestrian or vehicular arrival point, that is no greater than eight and thirty-three hundredths percent (8.33%).

(b) Site impracticality due to unusual characteristics. Unusual characteristics include sites located in a federally-designated flood plain or coastal high-hazard area and sites subject to other similar requirements of law, rule, regulation, or ordinance that the lowest floor or the lowest structural member of the lowest floor must be raised to a specified level at or above the base flood elevation. An accessible route to a building entrance is impractical due to unusual characteristics of the site when:

(i) the unusual site characteristics result in a difference in finished grade elevation exceeding thirty (30) inches and ten percent (10%) measured between an entrance and all vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance; or

(ii) if there are no vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance, the unusual characteristics result in a difference in finished grade elevation exceeding thirty (30) inches and ten percent (10%) measured between an entrance and the closest vehicular or pedestrian arrival point.

(3) Exceptions to site impracticality. Regardless of site considerations described in paragraphs (1) and (2), an accessible entrance on an accessible route is practical when:

(a) there is an elevator connecting the parking area with the dwelling units on a ground floor, (in this case, those dwelling units on the ground floor served by an elevator, and at least one (1) of each type of public and common use areas, would be subject to this part.) however:

(i) where a building elevator is provided as a means of creating an accessible route to dwelling units on a ground floor, the building is not considered an elevator building for purposes of this part; hence, only the ground floor dwelling units would be covered; and

(ii) if the building elevator is provided as a means of access to dwelling units other than dwelling units on a ground floor, then the building is an elevator building, which is a covered multifamily dwelling and the elevator in that building must provide accessibility to all dwelling units in the building, regardless of the slope of the natural terrain; or

(b) an elevated walkway is planned between a building entrance and a vehicular or pedestrian arrival point and the planned walkway has a slope no greater than ten percent (10%).

(4) Accessible Entrance. An entrance that complies with Section 4.14 of CABO/ANSI A117.1 1992, complies with section 3.0(a).

(5) Accessible Route. An accessible route that complies with CABO/ANSI A117.1 1992 will meet section 3.0(a). If the slope of the finished grade between covered dwellings and a public or common use facility (including parking) exceeds eight and thirty-three hundredths percent (8.33%) or where other physical barriers (natural or manmade) or legal restrictions, all of which are outside the control of the owner, prevent the installation of an accessible pedestrian route, an acceptable alternative is to provide access via a vehicular route, so long as necessary site provisions such as parking spaces and curb ramps are provided at the public or common use facility.

Requirement 2. Accessible Public and Common Areas.

The following chart identifies the public and common areas that shall be made accessible, cites the appropriate section of the CABO/ANSI A117.1 1992, and describes the appropriate application of the specifications:

BASIC COMPONENTS FOR ACCESSIBLE PUBLIC AND COMMON AREAS OR FACILITIES CABO/ANSI A117.1-1992
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FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Accessible Element or Space	Section	Application
1. Accessible route(s)	4.3	Within boundary of the site:
		(a) from accessible parking spaces, accessible passenger loading zones, and streets or sidewalks to accessible building entrances.
		(b) connecting accessible buildings, facilities, elements, and spaces that are on the same site.
		(c) connecting accessible building or facility entrances with accessible spaces and elements within the building or facility, including adaptable dwelling units.
		(d) where site or legal constraints prevent a route accessible to wheelchair users between covered multifamily dwellings and public or common-use facilities elsewhere on the site.
2. Protruding objects	4.4	Accessible routes or maneuvering space including, but not limited to, halls, corridors, passageways, or aisles.
3. Ground and floor surface	4.5	Accessible routes, rooms, and spaces, including floors, surface treatments walks, ramps, stairs, and curb ramps.
4. Parking and passenger-loading zones	4.6	See IC 5-16-9.
5. Curb ramps	4.7	Accessible routes crossing curbs.
6. Ramps	4.8	Accessible routes with slopes greater than 1:20.
7. Stairs	4.9	Stairs on accessible routes connecting levels not connected by an elevator.
8. Elevator	4.10	If provided.
9. Platform lift	4.11	May be used in lieu of an elevator or ramp under certain conditions.
10. Drinking fountains and water coolers	4.15	Fifty percent (50%) of fountains and water coolers on each floor, or at least one (1), if provided, in the facility or at the site.
11. Toilet rooms and bathing facilities (including water closets, toilet rooms and stalls, urinals, lavatories and mirrors, bathtubs, shower stalls, and sinks)	4.22	Where provided in public-use and common-use facilities, at least one (1) of each fixture provided per room.
12. Common-use spaces and facilities (swimming pools and playgrounds, entrances, rental offices, lobbies, elevators, mailbox areas, lounges, halls and corridors, and similar spaces)	4.1 through 4.28	If provided in the facility or at the site.

Requirement 3. Usable Doors.

Section 3.0(c)(2) applies to doors that are part of an accessible route in the public and common areas of multifamily dwellings and to doors into and within individual dwelling units.

(1) On accessible routes in public and common use areas, and for primary entry doors to covered units, doors complying with Section 4.13 of CABO/ANSI A117.1 1992 will comply with this requirement.

(2) Within individual dwelling units, doors intended for user passage through the unit which have a clear opening of at least thirty-two (32) inches nominal width when the door is open ninety (90) degrees, measured between the face of the door and the stop, will conform to section 3.0(c)(2) (see Fig. 1(a), 1(b), and 1(c)). Openings more than twenty-four (24) inches in depth are not considered doorways (see Fig. 1(d)).

NOTE: A thirty-four (34) inch door, hung in the standard manner, provides an acceptable, nominal thirty-two (32) inch clear opening. This door can be adapted to provide a wider opening by using offset hinges or by removing lower portions of the door stop, or both. Pocket or sliding doors are acceptable doors in covered dwelling units and have the added advantage of not impinging on clear floor space in small rooms. The nominal thirty-two (32) inch clear opening provided by a standard six (6) foot sliding patio door assembly is acceptable.

Requirement 4. Accessible route into and through the covered dwelling unit.

Accessible routes into and through dwelling units will conform to section 3.0(c)(3)(i) if the requirements in this section are

met.

- (1) A minimum clear width of thirty-six (36) inches is provided.
- (2) In single-story dwelling units, changes in levels within the dwelling unit with heights between one-fourth ( $\frac{1}{4}$ ) inch and one-half ( $\frac{1}{2}$ ) inch are beveled with a slope no greater than 1:2. Except for design features, such as a loft or an area on a different level within a room, for example, a sunken living room, changes in levels greater than one-half ( $\frac{1}{2}$ ) inch are ramped or have other means of access. Where a single-story dwelling unit has special design features, all portions of the single-story unit, except the loft or the sunken or raised area, are on an accessible route; and
  - (a) In single-story dwelling units with lofts, all spaces other than the loft are on an accessible route.
  - (b) Design features such as sunken or raised functional areas do not interrupt the accessible route through the remainder of the dwelling unit.
- (3) In multistory dwelling units in buildings with elevators, the story of the unit that is served by the building elevator:
  - (a) is the primary entry to the unit;
  - (b) complies with Requirements 2 through 7 with respect to the rooms located on the entry/accessible floor; and
  - (c) contains a bathroom or powder room which complies with Requirement 7. (NOTE: Multistory dwelling units in nonelevator buildings are not covered dwelling units because, in such cases, there is no ground floor unit.)
- (4) Except as provided in paragraphs (5) and (6), thresholds at exterior doors, including sliding door tracks, are no higher than three-fourths ( $\frac{3}{4}$ ) inch. Thresholds and changes in level at these locations are beveled with a slope no greater than 1:2.
- (5) Exterior deck, patio, or balcony surfaces are not more than one-half ( $\frac{1}{2}$ ) inch below the floor level of the interior of the dwelling unit, unless they are constructed of impervious material such as concrete, brick, or flagstone. In such case, the surface is not more than four (4) inches below the floor level of the interior of the dwelling unit.
- (6) At the primary entry door to dwelling units with direct exterior access, outside landing surfaces constructed of impervious materials, such as concrete, brick, or flagstone, are not more than one-half ( $\frac{1}{2}$ ) inch below the floor level of the interior of the dwelling unit. The finished surface of this area that is located immediately outside the entry may be sloped, up to one-eighth ( $\frac{1}{8}$ ) inch per foot, for drainage.

**Requirement 5. Light Switches, Electrical Outlets, Thermostats, and Other Environmental Controls in Accessible Locations.**

Light switches, electrical outlets, thermostats, and other environmental controls will conform to section 3.0(c)(3)(ii) if operable parts of the controls are located no higher than forty-eight (48) inches, and no lower than fifteen (15) inches, above the floor. If the reach is over an obstruction, for example, an overhanging shelf, between twenty (20) and twenty-five (25) inches in depth, the maximum height is reduced to forty-four (44) inches for forward approach; or forty-six (46) inches for side approach, provided the obstruction, for example, a kitchen base cabinet, is no more than twenty-four (24) inches in depth. Obstructions shall not exceed more than twenty-five (25) inches from the wall beneath a control (see Fig. 2).

**Requirement 6. Reinforced Walls for Grab Bars.**

Reinforced bathroom walls to allow later installation of grab bars around the toilet, tub, shower stall, and shower seat, where such facilities are provided, will conform to section 3.0(c)(3)(iii) (see Figs. 3, 4, and 5). Where the toilet is not placed adjacent to a side wall, the bathroom will comply if provision is made for installation of floor mounted foldaway or similar alternative grab bars. Where the powder room is the only toilet facility located on an accessible level of a multistory dwelling unit, it must comply with this requirement for reinforced walls for grab bars.

NOTE: Installation of bathtubs or showers is not limited by the illustrative figures, such as reinforced areas, for installation of floor-mounted grab bars.

Reinforcement for grab bars may be provided in a variety of ways, for example, by plywood or wood blocking, so long as the necessary reinforcement is placed so as to permit later installation of appropriate grab bars.

**Requirement 7. Usable Kitchens and Bathrooms.**

- (1) Usable kitchens. Usable kitchens will conform to section 3.0(c)(3)(iv) if:
  - (a) a clear floor space at least thirty (30) inches by forty-eight (48) inches that allows a parallel approach by a person in a wheelchair is provided at the range or cooktop and sink, and either a parallel or forward approach is provided at oven, dishwasher, refrigerator/freezers, or trash compactor (see Fig. 6);
  - (b) clearance between counters and all opposing base cabinets, countertops, appliances, or walls is at least forty (40) inches; and
  - (c) in U-shaped kitchens with sink or range or cooktop at the base of the "U", a sixty (60) inch turning radius is provided to allow parallel approach, or base cabinets are removable at that location to allow knee space for a forward

approach.

(2) Usable bathrooms. To meet the requirements of section 3.0(c)(3)(iv), either all bathrooms in the dwelling unit shall comply with the provisions of paragraph (a), or at least one (1) bathroom in the dwelling unit complies with the provisions of paragraph (b), and all other bathrooms and powder rooms within the dwelling unit must be on an accessible route with usable entry doors in accordance with Requirements 3 and 4.

However, in multistory dwelling units, only those bathrooms on the accessible level are subject to the requirements of section 3.0(c)(3)(iv). Where a powder room is the only facility provided on the accessible level of a multistory dwelling unit, the powder room shall comply with provisions of paragraph (a) or (b). Powder rooms that are subject to the requirements of section 3.0(c)(3)(iv) shall have reinforcements for grab bars as provided in Requirement 6.

- (a) Bathrooms that have reinforced walls for grab bars (see Requirement 6) shall conform to section 3.0(c)(3)(iv) if:
  - (i) Sufficient maneuvering space is provided within the bathroom for a person using a wheelchair or other mobility aid to enter and close the door, use the fixtures, reopen the door, and exit. Doors may swing into the clear floor space provided at any fixture if the maneuvering space is provided. Maneuvering spaces may include any kneespace or toespace available below bathroom fixtures.
  - (ii) Clear floor space is provided at fixtures as shown in Fig. 7(a), 7(b), 7(c), and 7(d). Clear floor space at fixtures may overlap.
  - (iii) If the shower stall is the only bathing facility provided in the covered dwelling unit, the shower stall shall measure at least thirty-six (36) inches by thirty-six (36) inches.

NOTE: Cabinets under lavatories are acceptable provided the bathroom has space to allow a parallel approach by a person in a wheelchair; if parallel approach is not possible within the space, any cabinets provided would have to be removable to afford the necessary knee clearance for forward approach.

- (b) Bathrooms that have reinforced walls for grab bars (see Requirement 6) will conform to section 3.0(c)(3)(iv) if:
  - (i) Where the door swings into the bathroom, there is a clear space (approximately, two (2) feet six (6) inches by four (4) feet) within the room to position a wheelchair or other mobility aid clear of the path of the door as it is closed and to permit use of fixtures. This clear space can include any kneespace and toespace available below bathroom fixtures.
  - (ii) Where the door swings out, a clear space is provided within the bathroom for a person using a wheelchair or other mobility aid to position the wheelchair such that the person is allowed use of fixtures. There also shall be clear space to allow persons using wheelchairs to reopen the door to exit.
  - (iii) When both tub and shower fixtures are provided in the bathroom, at least one (1) is made accessible. When two (2) or more lavatories in a bathroom are provided, at least one (1) is made accessible.
  - (iv) Toilets are located within bathrooms in a manner that permits a grab bar to be installed on one (1) side of the fixture. In locations where toilets are adjacent to walls or bathtubs, the centerline of the fixture is a minimum of one (1) foot six (6) inches from the obstacle. The other (nongrab bar) side of the toilet fixture is a minimum of one (1) foot three (3) inches from the finished surface of adjoining walls, vanities, or the edge of a lavatory (see Fig. 7(a)).
  - (v) Vanities and lavatories are installed with the centerline of the fixture a minimum of one (1) foot three (3) inches horizontally from an adjoining wall or fixture. The top of the fixture rim is a maximum height of two (2) feet ten (10) inches above the finished floor. If kneespace is provided below the vanity, the bottom of the apron is at least two (2) feet three (3) inches above the floor. If provided, full kneespace (for front approach) is at least one (1) foot five (5) inches deep (see Fig. 7(c)).
  - (vi) Bathtubs and tub/showers located in the bathroom provide a clear access aisle adjacent to the lavatory that is at least two (2) feet six (6) inches wide and extends for a length of four (4) feet (measured from the head of the bathtub) (see Fig. 8).
  - (vii) Stall showers in the bathroom may be of any size or configuration. A minimum clear floor space two (2) feet six (6) inches wide by four (4) feet shall be available outside the stall (see Fig. 7(d)). If the shower stall is the only bathing facility provided in the covered dwelling unit, or on the accessible level of a covered multistory unit, and measures a nominal thirty-six (36) inches by thirty-six (36) inches or smaller, the shower stall must have reinforcement to allow for installation of an optional hung bench seat.

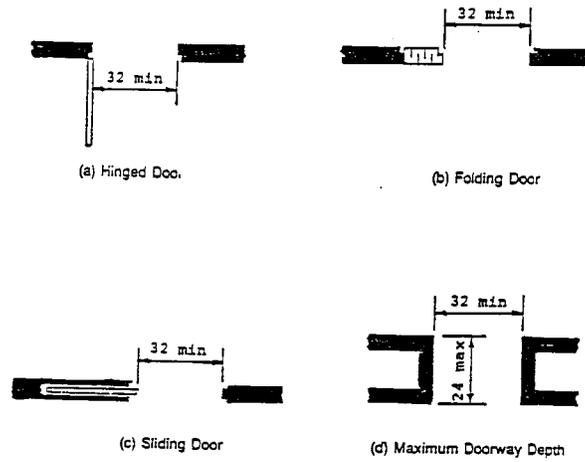


Fig. 1 Clear Doorway Width and Depth

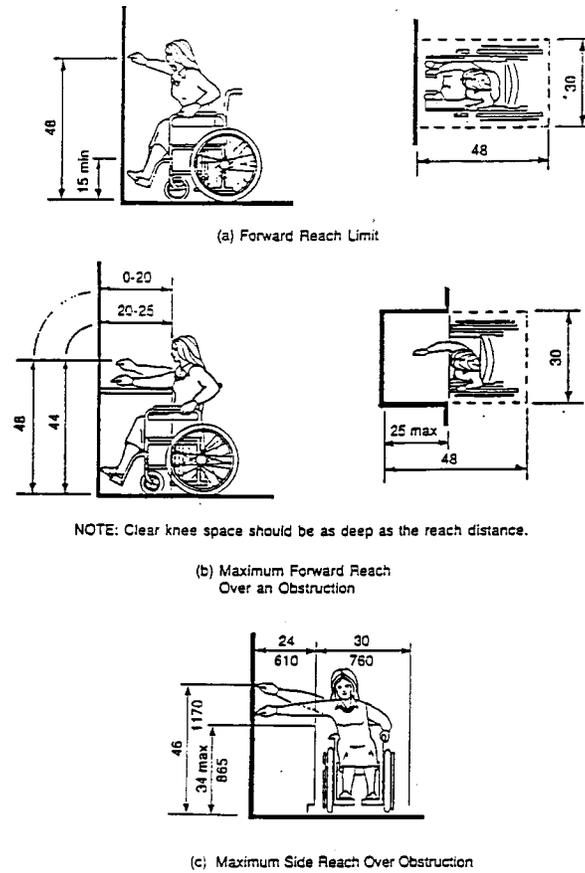


Fig. 2 Reach Ranges

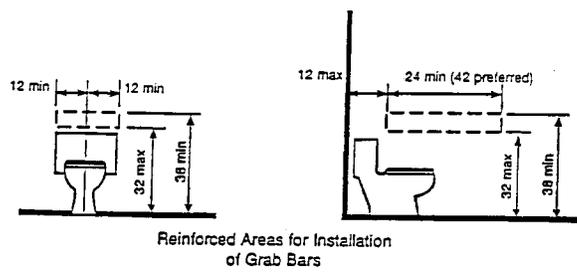


Fig. 3 Water Closets in Adaptable Bathrooms

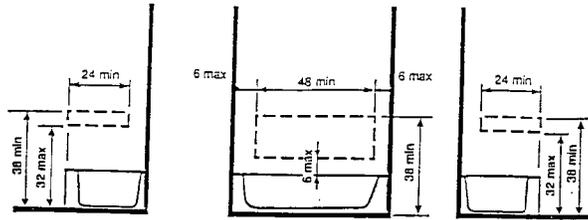


Fig. 4 Location of Grab Bar Reinforcements  
for Adaptable Bathtubs

NOTE: The areas outlined in dashed lines represent locations for future installation of grab bars for typical fixture configurations.

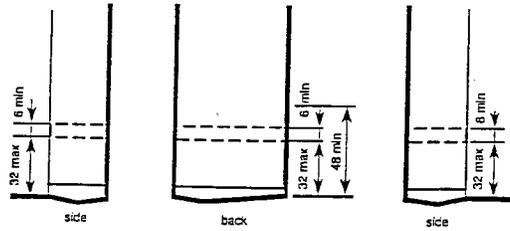


Fig. 5 Location of Grab Bar Reinforcements for Adaptable Showers

NOTE: The areas outlined in dashed lines represent locations for future installation of grab bars.

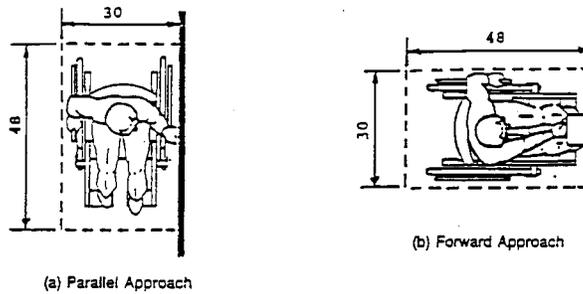
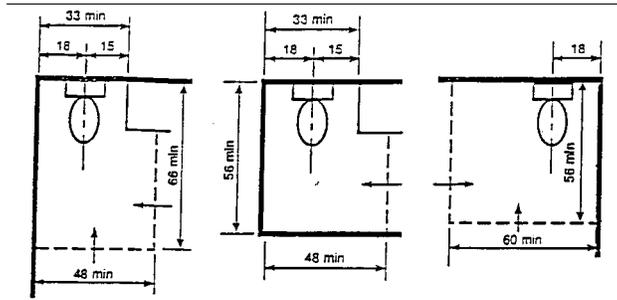
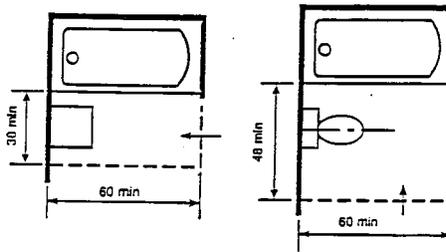


Fig. 6 Minimum Clear Floor Space for Wheelchairs

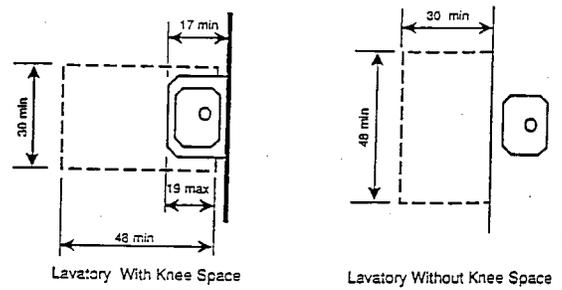


(a) Clear Floor Space for Water Closets

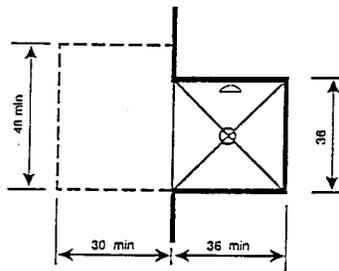


(b) Clear Floor Space at Bathtubs

Fig. 7 Clear Floor Space for Adaptable Bathrooms



(c) Clear Floor Space at Lavatories



(d) Clear Floor Space at Shower

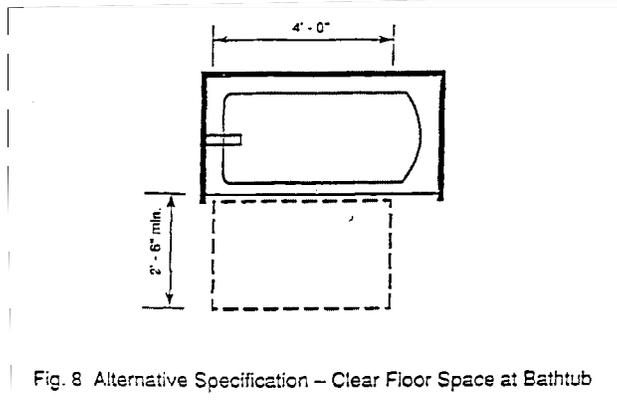


Fig. 8 Alternative Specification – Clear Floor Space at Bathtub

Subpart B CABO/ANSI A117.1 - 1992

That certain document being titled as the American National Standard, Accessible and Usable Buildings and Facilities CABO/ANSI A117.1-1992, published by the Council of American Building Officials, 5203 Leesburg Pike, #708, Falls Church, Virginia 22041, is hereby adopted by reference, as if fully set out in this rule, same and except the following revisions:

Delete section 1 without substitution.

Delete section 2 without substitution.

Delete subsection 3.3 and substitute as follows: ASME/ANSI A17.1 means the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

Change the following definitions in section 3.2 to read as follows: (a) “ADMINISTRATIVE AUTHORITY” means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the fire prevention and building safety commission.

(b) “TEMPORARY” means a temporary structure erected as defined in the General Administrative Rules (675 IAC 12-6).

Delete subsection 4.6.2 Parking Spaces and substitute to read as follows: Parking shall comply with IC 5-16-9.

Change subsection 4.8.2 to read as follows: Ramps in new construction shall have a slope not steeper than 1:12. The rise for any ramp run shall be thirty (30) inches (seven hundred sixty-two (762) millimeters) maximum (see Fig. B4.8.2).

Delete Table 4.8.2 without substitution.

Delete subsection 4.10.2.

Change subsection 4.11 to read as follows: Wheelchair lifts, if provided, shall comply with the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

Delete the first sentence of subsection 4.13.11.

Delete in subsection 4.13.12 "ANSI/BHMA A156.10" and substitute Chapter 10 of the Indiana Building Code (675 IAC 13).

Delete in subsection 4.13.13 "ANSI/BHMA A156.19" and substitute Chapter 10 of the Indiana Building Code.

Delete subsection 4.23 without substitution.

Change subsection 4.26.1 to read as follows: Alarms required by this code shall conform to subsection 4.26.

Delete subsection 4.30 without substitution.

Delete subsection 4.31 without substitution.

Delete subsection 4.32 without substitution.

Change subsection 4.33.4 to read as follows: Accessible kitchens shall comply with the requirements of section 4.33.4.

Delete subsections 4.33.4.6, 4.33.4.7, 4.33.4.8, 4.33.4.9, 4.33.4.10, 4.33.5, 4.33.5.1, and 4.33.5.2 without substitution.

Appendix A is not adopted and is for information purposes only. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-110; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2891*)

**675 IAC 13-2.4-111 Section 1201.1; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 111. Delete Section 1201.1 Scope and substitute to read as follows: The provisions of this chapter shall govern ventilation, temperature control, lighting, yards and courts, room dimensions, and surrounding materials associated with the interior spaces of buildings. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-111; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2936*)

**675 IAC 13-2.4-112 Section 1202.3.2; ventilation openings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 112. Change Section 1202.3.2 Exception as follows:

(1) Change Exception 1 to read as follows: Ventilation openings to the outdoors are not required if ventilation openings to the interior are provided.

(2) Delete Exception 5.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-112; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2936*)

**675 IAC 13-2.4-113 Section 1203.1; equipment systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 113. Change the first paragraph of Section 1203.1 Equipment and systems to read as follows: Interior spaces intended for human occupancy shall be provided with active or passive space-heating systems capable of maintaining a minimum indoor temperature of 68° F (20° C) at a point three (3) feet (nine hundred fourteen (914) mm) above the floor on the design heating day, based on the exterior design condition as stated in the Indiana Energy Conservation Code (675 IAC 19). EXCEPTION: Interior spaces where the primary purpose is not associated with human comfort. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-113; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2936*)

**675 IAC 13-2.4-114 Section 1206; sound transmission**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 114. Delete Section 1206 Sound transmission. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-114; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2936*)

**675 IAC 13-2.4-115 Section 1207.2; minimum ceiling heights**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 115. Delete Exceptions 1 and 2 in Section 1207.2 Minimum ceiling heights. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-115; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-116 Section 1208.1; crawl spaces**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 116. Change Section 1208.1 Crawl spaces to read as follows: Crawl spaces shall be provided with a minimum of one (1) access opening not less than sixteen (16) inches by thirty (30) inches (four hundred six (406) mm by seven hundred sixty-two (762) mm). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-116; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-117 Section 1208.2; attic spaces**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 117. Change Section 1208.2 Attic spaces to read as follows: An opening not less than twenty (20) inches by forty (40) inches (five hundred eight (508) mm by one thousand sixteen (1,016) mm) shall be provided to any attic area having a clear height of over thirty (30) inches (seven hundred sixty-two (762) mm). A thirty (30) inch (seven hundred sixty-two (762) mm) minimum clear headroom in the attic space shall be provided at or above the access opening. When the access opening penetrates fire-resistive construction, the access opening closure shall provide the fire-resistive construction as required for the fire-resistive construction that is penetrated for the opening, and may be manufactured or field assembled, and shall be tight fitting. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-117; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-118 Table 1505.1; minimum roof covering classification for types of construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 118. Delete in TABLE 1505.1 MINIMUM ROOF COVERING CLASSIFICATION FOR TYPES OF CONSTRUCTION, Footnote a. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-118; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-119 Section 1510.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 119. Delete the second sentence of Section 1510.1 General and substitute as follows: For roof repairs see local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-119; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-120 Section 1603; construction documents**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 120. Delete Section 1603 Construction documents and substitute as follows: See the General Administrative Rules (675 IAC 12-6), Industrialized Building Systems (675 IAC 15) and local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-120; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-121 Section 1604.6; in-situ load tests**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 121. Delete the last sentence of Section 1604.6 In-situ load tests. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-121; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-122 Table 1607.1 minimum uniformly distributed live loads and minimum concentrated live loads**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 122. Change in TABLE 1607.1 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS AND MINIMUM CONCENTRATED LIVE LOADS, Footnote g to read as follows: g. Where snow loads occur that are in excess of the design conditions, the structure shall be designed to support the loads due to the increased loads caused by drift buildup or a greater snow design determined by the registered design professional or the owner if a registered design professional is not required by the General Administrative Rules (675 IAC 12-6) or the rules for Industrialized Building Systems (675 IAC 15). See Section 1608. For special-purpose roofs, see Section 1607.11.2.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-122; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-123 Section 1607.7.1; handrail guards**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 123. Delete Exception 1 in Section 1607.7.1 Handrails and guards. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-123; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937*)

**675 IAC 13-2.4-124 Section 1608.2; ground snow loads**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 124. Change Section 1608.2 Ground snow loads to read as follows: The ground snow loads to be used in determining the snow loads for roofs are given in Figure 1608.2. Site-specific case studies shall be made in areas designated CS in Figure 1608.2. Ground snow loads for all sites within the CS areas shall be approved. Ground snow load determination for such sites shall be based on an extreme value statistical analysis of data available in the vicinity of the site using a value with a two (2) percent annual probability of being exceeded (fifty (50) year mean recurrence interval). Counties that have more than one (1) ground snow load as given in Figure 1608.2 shall apply the most restrictive ground snow load throughout the entire county. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-124; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938*)

**675 IAC 13-2.4-125 Section 1609.1.4; protection of openings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

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Sec. 125. Delete Section 1609.1.4 Protection of openings, and TABLE 1609.1.4 WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-125; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938)*

**675 IAC 13-2.4-126 Section 1611.1; design rain loads**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 126. Add to the end of Section 1611.1 the following: See the Indiana Plumbing Code (675 IAC 16) for other roof drainage requirements. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-126; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938)*

**675 IAC 13-2.4-127 Section 1611.3; control drainage**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 127. Add a second paragraph to Section 1611.3 Control drainage to read: See the Indiana Plumbing Code (675 IAC 16) for other roof drainage requirements. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-127; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938)*

**675 IAC 13-2.4-128 Section 1612; flood loads**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 128. Delete Section 1612 Flood loads. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-128; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938)*

**675 IAC 13-2.4-129 Section 1614.4; quality assurance**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 129. Delete Section 1614.4 Quality assurance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-129; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938)*

**675 IAC 13-2.4-130 Section 1615.1.3; Table 1615.1.3**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 130. Change Section 1615.1.3 as follows:

(1) Add an exception to the end of Section 1615.1.3 to read as follows: EXCEPTION: The maximum values of SDS and SD1 listed in TABLE 1615.1.3.

(2) Add TABLE 1615.1.3 MAXIMUM VALUES FOR SDS AND SD1 to the end of Section 1615.1.3 to read as follows: TABLE 1615.1.3 - MAXIMUM VALUES FOR SDS AND SD1

Site Class	SDS	SD1
A	0.30	0.12
B	0.38	0.15
C	0.45	0.25
D	0.55	0.32
E	0.75	0.50

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F	Note 1	Note 1
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Note 1: Site-specific geotechnical investigation and dynamic site response analyses shall be performed to determine appropriate values.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-130; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938)*

**675 IAC 13-2.4-131 Section 1616.2.2; seismic use Group II**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 131. Delete in Section 1616.2.2 Seismic use Group II the words “the building official” and substitute “local ordinance”.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-131; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938)*

**675 IAC 13-2.4-132 Section 1616.2.3; seismic use Group III**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 132. Change Section 1616.2.3 Seismic use Group III as follows:

(1) Delete the words “, or as designated by the building official”.

(2) Add an Exception to the end of Section 1616.3 to read as follows: EXCEPTION: The seismic design category need not exceed Seismic Design Category C for buildings and structures in Seismic Use Groups I and II and Seismic Design Category D for Class 1 buildings and structures in Seismic Use Group III.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-132; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938)*

**675 IAC 13-2.4-133 Section 1618.10.3.2; design review**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 133. Delete Section 1618.10.3.2 Design review. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-133;*

*filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-134 Section 1621.1.8; quality assurance; special inspection and testing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 134. Delete Section 1621.1.8 Quality assurance; special inspection and testing. *(Fire Prevention and Building Safety*

*Commission; 675 IAC 13-2.4-134; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-135 Section 1621.2.6.1; special access floors**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 135. Change the last sentence of item 1 of Section 1621.2.6.1 Special access floors to read as follows: Design load capacities comply with approved design standards and/or approved test results. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-135; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-136 (Reserved)**

**675 IAC 13-2.4-137 Section 1621.2.8; steel storage racks**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 137. Delete Section 1621.2.8 Steel storage racks and substitute as follows: Steel storage racks that are part of the structural system of a Class 1 structure shall comply with this code. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-137; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-138 Section 1621.3.8; storage tanks**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 138. Change Section 1621.3.8 Storage tanks to read as follows: Storage tanks within the scope of Section 101.2 shall be designed to meet the general requirements of Sections 1622.1 and 1622.2 and the specific requirements of Section 1622.4.3. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-138; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-139 Section 1621.3.10.2; other piping systems**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 139. Change the first sentence of Section 1621.3.10.2 Other piping systems to read as follows: The following documents shall be used for the seismic design of the respective systems when the systems are within the scope of Section 101.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-139; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-140 Section 1621.3.10.2.1; support and attachments for other piping**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 140. Add the third line of Section 1621.3.10.2.1 Supports and attachments for other piping, between the words “piping” and “shall” the words “that are within the scope of Section 101.2”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-140; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-141 Section 1621.3.11.1; ASME boilers and pressure vessels**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 141. Delete Section 1621.3.11.1 ASME Boilers and Pressure Vessels. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-141; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-142 Section 1621.3.12; mechanical equipment attachments**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 142. Change the first sentence of Section 1621.3.12 Mechanical equipment attachments and supports to read as follows: Attachments and supports for mechanical equipment that are within the scope of Section 101.2 and not covered in the preceding sections shall be designed to meet the force and displacement requirements of Sections 1621.1.4 and 1621.1.5 and the additional requirements of this section. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-142; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-143 Section 1621.3.12.1; mechanical equipment**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 143. Change the first paragraph of Section 1621.3.12.1 Mechanical equipment to read as follows: Mechanical equipment

that is within the scope of Section 101.2 having an  $I_p$  greater than 1.0 shall meet the following requirements:

1. For equipment components vulnerable to impact, equipment components constructed of nonductile materials, or in cases where material ductility is reduced (e.g., low temperature applications), seismic impact shall be prevented.
2. The design shall include the effect of loadings imposed on the equipment by attached utility or service lines due to differential motions of points of support from separate structures.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-143; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

**675 IAC 13-2.4-144 Section 1621.3.12.2; attachments and support for mechanical equipment**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 144. Change the first part of the first sentence up to the colon of Section 1621.3.12.2 Attachments and supports for mechanical equipment to read as follows: Attachments and supports for mechanical equipment that are within the scope of Section 101.2 shall meet the following requirements: *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-144; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2940)*

**675 IAC 13-2.4-145 Section 1621.3.13; electrical equipment and support**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 145. Change the first sentence of Section 1621.3.13 Electrical equipment attachments and support to read as follows: Attachments and supports for electrical equipment that are within the scope of Section 101.2 shall be designed to meet the force and displacement requirements of Sections 1621.1.4 and 1621.1.5 and the additional requirements of this section. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-145; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2940)*

**675 IAC 13-2.4-146 Section 1622.1; nonbuilding structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 146. Change the first paragraph of Section 1622.1 Nonbuilding structures to read as follows: The requirements of this section apply to self-supporting structures that are within the scope of Section 101.2 that carry gravity loads that are not defined as buildings, vehicular or railroad bridges, nuclear power generation plants, offshore platforms, or dams. Where the building official has approved the use of specific industry standards for seismic design of nonbuilding structures, those standards shall be applicable within the limitations of the requirements of this section. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-146; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2940)*

**675 IAC 13-2.4-147 Section 1622.3.4; steel storage racks**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 147. Delete Section 1622.3.4 Steel storage racks and substitute as follows: Storage racks that are an integral part of the structural system of a Class 1 structure shall comply with this code. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-147; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2940)*

**675 IAC 13-2.4-148 Section 1622.3.4.3; vertical distribution of seismic force**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 148. Delete Section 1622.3.4.3 Vertical distribution of seismic forces. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-148; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2940)*

**675 IAC 13-2.4-149 Section 1622.3.4.4; seismic displacement**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 149. Delete Section 1622.3.4.4 Seismic displacement. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-149; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2940*)

**675 IAC 13-2.4-150 Section 1622.3.6; structural towers for tanks and vessels**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 150. Change the first sentence of Section 1622.3.6 Structural towers for tanks and vessels to read as follows: The seismic design of structural towers that support tanks and vessels where the tanks or vessels are within the scope of Section 101.2 shall meet the requirements of Section 1622.1.1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-150; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2940*)

**675 IAC 13-2.4-151 Section 1622.4.2; earth-retaining structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 151. Change the title of Section 1622.4.2 Earth-retaining structures to read: Earth-retaining structures that are within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-151; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2940*)

**675 IAC 13-2.4-152 Section 1622.4.3; tanks and vessels**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 152. Change the first sentence of Section 1622.4.3 Tanks and vessels to read as follows: This section applies to tanks and vessels storing liquids, gases, and granular solids that are within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-152; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-153 Section 1622.4.4; telecommunication towers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 153. Delete Section 1622.4.4 Telecommunication towers. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-153; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-154 Section 1622.4.5; stacks and chimneys**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 154. Change the title of Section 1622.4.5 Stacks and chimneys to read as follows: Stacks and chimneys within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-154; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-155 Section 1622.4.6; amusement structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 155. Change the title of Section 1622.4.6 Amusement structures to read as follows: Amusement structures within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-155; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-156 Section 1622.4.7; special hydraulic structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 156. Change the title of Section 1622.4.7 Special hydraulic structures to read as follows: Special hydraulic structures within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-156; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-157 Section 1622.4.8; buried structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 157. Change the title of Section 1622.4.8 Buried Structures to read as follows: Buried structures within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-157; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-158 Section 1622.4.9; inverted pendulum**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 158. Change the title of Section 1622.4.9 Inverted pendulum to read as follows: Inverted pendulums within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-158; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-159 Section 1623; seismically isolated structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 159. Change the title of Section 1623 Seismically isolated structures to read: Seismically isolated structures within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-159; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-160 Section 1623.5.1.8; inspection and replacement**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 160. Delete section 1623.5.1.8 Inspection and replacement and substitute to read as follows: Access for inspection and replacement of all components of the isolation system shall be provided. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-160; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-161 Section 1623.5.1.9; quality control**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 161. Delete Section 1623.5.1.9 Quality control. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-161; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-162 Section 1623.5.2.3; nonbuilding structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 162. Change the title of Section 1623.5.2.3 Nonbuilding structures to read as follows: Nonbuilding structures within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-162; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2941*)

**675 IAC 13-2.4-163 Section 1623.7; design and construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 163. Delete Section 1623.7 Design and construction review and substitute the following: See the General Administrative Rules (675 IAC 12-6). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-163; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-164 Chapter 17; structural test and special inspections**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 164. Delete Chapter 17 Structural test and special inspections and substitute to read as follows: See the General Administrative Rules (675 IAC 12-6-6(c)(10)(D)) and Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-164; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-165 Section 1802.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 165. Delete the last sentence of Section 1802.1 General. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-165; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-166 Section 1802.6; reports**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 166. Delete Section 1802.6 Reports and substitute as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-166; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-167 Section 1803.3; site grading**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 167. Delete the exception to Section 1803.3 Site grading. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-167; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-168 Section 1803.4; compacted fill material**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 168. Delete in Section 1803.4 Compacted fill material the last sentence of the exception. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-168; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-169 Section 1805.3.3; pools**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 169. Delete in Section 1805.3.3 Pools the words “this code” and substitute the words “the Indiana Swimming Pool Code (675 IAC 20)”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-169; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-170 Section 1805.4.2.6; forming of concrete**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 170. Delete in Section 1805.4.2.6 Forming of concrete the words “building official” and substitute the words “registered design professional”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-170; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-171 (Reserved)**

**675 IAC 13-2.4-172 Section 1807.2.8.3; load test**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 172. Delete in Section 1807.2.8.3 Load tests the words “building official” and substitute the words “registered design professional”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-172; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-173 Section 1807.2.21; pier or pile location plan**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 173. Delete Section 1807.2.21 Pier or pile location plan and substitute as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-173; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-174 Section 1807.2.22; special inspections**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 174. Delete Section 1807.2.22 Special inspections and substitute: See the General Administrative Rules (675 IAC 12-6-6(c)(10)(D)) and the rules for Industrialized [*sic.*] Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-174; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2942*)

**675 IAC 13-2.4-175 Section 1807.2.23.1; seismic design Category C**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 175. Change Section 1807.2.23.1 Seismic design Category C to read as follows: Where a structure is assigned to Seismic Design Category C in accordance with Section 1616, the following shall apply. Individual pile caps, piers or piles shall be interconnected by ties. Ties shall be capable of carrying, in tension and compression, a force equal to the product of the larger pile

cap or column load times the seismic coefficient  $S_{DS}$  divided by 10 unless it can be demonstrated that equivalent restraint is provided by reinforced concrete beams within slabs-on-grade or reinforced concrete slabs-on-grade or confinement by competent rock, hard cohesive soils, or very dense granular soils.

EXCEPTION 1: Piers supporting foundation walls, isolated interior posts detailed so the pier is not subject to lateral, lightly loaded exterior decks and patios, of Group R, Division 3 and Group U, Division 1 occupancies not exceeding two (2) stories of light-frame construction, are not subject to interconnection if it can be shown the soils are of adequate stiffness, subject to the approval of the building official.

EXCEPTION 2: Other methods may be used where it can be demonstrated by a registered design professional that equivalent restraint can be provided when approved by the building official.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-175; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-176 Section 1809.3.2; dimensions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 176. Change the exception to Section 1809.3.2 Dimensions to read as follows: The length of the pile is permitted to exceed thirty (30) times the diameter when approved by the building official. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-176; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-177 Section 1809.4.2; dimensions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 177. Change the exception to Section 1809.4.2 Dimensions to read as follows: The length of the pile is permitted to exceed thirty (30) times the diameter when documented by the registered design professional and approved by the building official. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-177; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-178 Section 1811.4; reinforcement**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 178. Change at the end of the exception to Section 1811.4 Reinforcement the words “building official” to the words “registered design professional”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-178; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-179 Section 1901.4; construction documents**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 179. Delete Section 1901.4 Construction documents and substitute as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-179; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-180 Section 1903.6; admixtures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 180. Change in Section 1903.6 Admixtures the word “approval” to the word “acceptance”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-180; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-181 Section 1905.6.1; tests**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 181. Change the title and text of Section 1905.6.1 to read as follows: 1905.6.1 Tests. Concrete shall be tested in accordance with the requirements in Section 1905.6.2 through 1905.6.5. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-181; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-182 Section 1905.6.4.1; when required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 182. Change Section 1905.6.4.1 When required to read as follows: The building official may require that the results of strength tests of cylinders cured under field conditions be provided. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-182; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-183 Section 1905.7; preparation of equipment and place of deposit**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 183. Change in item 6 of Section 1905.7 Preparation of equipment and place of deposit the word “permitted” to “approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-183; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2943)*

**675 IAC 13-2.4-184 Section 1905.6.5.5; strength evaluation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 184. Change Section 1905.6.5.5 Strength evaluation to read as follows: If the criteria of Section 1905.6.5.4 are not met and if the structural adequacy remains in doubt, the building official is permitted to order a strength evaluation in accordance with Chapter 20, for the questionable portion of the structure. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-184; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944)*

**675 IAC 13-2.4-185 Section 1905.10.4; retempering**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 185. Change in Section 1905.10.4 Retempering the word “approved” to the word “authorized”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-185; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944)*

**675 IAC 13-2.4-186 Section 1906.3; conduits and pipes embedded in concrete**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 186. Change in Section 1906.3 Conduits and pipes embedded in concrete the words “with approval of” to the words “when authorized by”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-186; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944)*

**675 IAC 13-2.4-187 Section 1907.5.1; support**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 187. Change in Section 1907.5.1 Support the words “where approved” to the words “when authorized”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-187; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944*)

**675 IAC 13-2.4-188 Section 1910.4.4.1; walls**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 188. Delete the exception in Section 1910.4.4.1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-188; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944*)

**675 IAC 13-2.4-189 Section 1910.4.4.2; footings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 189. Change Section 1910.4.4.2 Footings as follows:

(1) Delete the exception at the end of the first paragraph.

(2) Delete Exception 1 of the second paragraph.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-189; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944*)

**675 IAC 13-2.4-190 Section 1912.5; increase for special inspections**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190. Delete Section 1912.5 Increase for special inspections. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-190; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944*)

**675 IAC 13-2.4-191 Section 1913.8.3; construction documents**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191. Delete Section 1913.8.3 Construction documents and substitute as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-191; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944*)

**675 IAC 13-2.4-192 Section 1914.5; preconstruction tests**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192. Delete at the beginning of Section 1914.5 Preconstruction tests the words “When required by the building official” and substitute the words “When required by local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-192; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944*)

**675 IAC 13-2.4-193 Section 1914.7; joints**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193. Delete in Section 1914.7 Joints the word “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-193; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944*)

**675 IAC 13-2.4-194 Section 1916.6; approvals**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194. Change the last sentence of Section 1916.6 Approvals to read as follows: Shop-fabricated concrete-filled pipe columns shall be approved by the building official. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-194; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944)*

**675 IAC 13-2.4-195 Section 2101.3; construction documents**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 195. Delete Sections 2101.3 Construction documents and 2101.3.1 Fireplace drawings and substitute to read as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-195; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2944)*

**675 IAC 13-2.4-196 Section 2102; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 196. Change in Section 2102 Definitions and notations in the definition of MASONRY the word “accepted” to “approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-196; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945)*

**675 IAC 13-2.4-197 Section 2104.1.2.3; solid units**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 197. Change the first sentence of Section 2104.1.2.3 solid units to read as follows: Unless otherwise approved, solid units shall be placed in fully mortared bed and head joints. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-197; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945)*

**675 IAC 13-2.4-198 Section 2105.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 198. Delete Section 2105.1 General. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-198; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945)*

**675 IAC 13-2.4-199 Section 2105.4; mortar testing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 199. Change Section 2105.4 Mortar testing to read as follows: Local ordinance may require mortar to be tested in accordance with the property specifications of ASTM C-270 or evaluated in accordance with ASTM C-780. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-199; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945)*

**675 IAC 13-2.4-200 Section 2107.2.1; ACI 530/ASCE 5/TMS 402 Chapter 2**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 200. Delete Section 2107.2.1 ACI 530/ASCE 5/TMS 402 Chapter 2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-200; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945*)

**675 IAC 13-2.4-201 Section 2108.2; quality assurance provisions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 201. Delete Section 2108.2 Quality assurance provisions. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-201; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945*)

**675 IAC 13-2.4-202 Section 2208.1; welding**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 202. Delete the last sentence of Section 2208.1 Welding. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-202; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945*)

**675 IAC 13-2.4-203 Section 2209; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 203. Delete the last sentence of Section 2209.1 General. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-203; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945*)

**675 IAC 13-2.4-204 Section 2210; steel storage racks**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 204. Delete Section 2210 Steel storage racks and substitute as follows: Where steel storage racks are part of the structural system of a Class 1 structure the storage racks shall comply with this code. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-204; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945*)

**675 IAC 13-2.4-205 Section 2303.1.1; lumber**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 205. Delete in the first sentence of Section 2303.1.1 Lumber the words “by an accreditation body that complies with DOC PS20 or equivalent”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-205; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945*)

**675 IAC 13-2.4-206 Section 2303.1.8.1; identification**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 206. Change Section 2303.1.8.1 Identification to read as follows: Wood required by Section 2304.11 to be preservative-treated shall bear the quality mark of an inspection agency that maintains continuing supervision, testing, and inspection over the quality of the preservative-treated wood and shall be approved by the building official. The quality mark shall be on a stamp or label affixed to the preservative-treated wood. The quality mark shall include the following:

1. Identification of treating manufacturer.
2. Type of preservative used.

3. Minimum preservative retention (pef).
4. End use for which the product is treated.
5. AWPA standard to which the product was treated.
6. Identity of the accredited inspection agency.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-206; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945)*

**675 IAC 13-2.4-207 Section 2303.2.1; labeling**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 207. Change Section 2303.2.1 Labeling to read as follows: Fire-retardant-treated lumber and wood structural panels shall bear the identification mark of an approved agency. Such identification marks shall indicate conformance with appropriate standards in accordance with Sections 2303.2.2 through 2303.2.5. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-207; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2945)*

**675 IAC 13-2.4-208 Section 2303.4; trusses**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 208. In Section 2303.4, delete all the text after the first sentence. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-208; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946)*

**675 IAC 13-2.4-209 Section 2303.4.1; truss design drawings**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 209. Delete 2303.4.1 Truss design drawings and substitute as follows: See the General Administrative Rules (675 IAC 12-6) and Industrialized Building Systems (675 IAC 15). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-209; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946)*

**675 IAC 13-2.4-210 Section 2303.5; test standard for joist hangers and connectors**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 210. Delete Section 2303.5 Test standard for joist hangers and connectors and substitute as follows: Joist hangers and connectors shall be approved. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-210; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946)*

**675 IAC 13-2.4-211 Section 2304.9.3; joist hangers and framing anchors**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 211. Delete the last sentence of Section 2304.9.3 Joist hangers and framing anchors. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-211; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946)*

**675 IAC 13-2.4-212 Section 2304.11.2; wood used above ground**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 212. Change the last line of Section 2304.11.2 Wood used above ground to read as follows: Standards for above ground

use as referenced in Chapter 35. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-212; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946*)

**675 IAC 13-2.4-213 Section 2304.11.5; supporting member for permanent appurtenances**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 213. Delete the exception to Section 2304.11.5 Supporting member for permanent appurtenances. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-213; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946*)

**675 IAC 13-2.4-214 Section 2308.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 214. Change the second sentence of Section 2308.1 General to read as follows: Other methods are permitted to be used where the design has been approved and the design shows compliance with other provisions of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-214; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946*)

**675 IAC 13-2.4-215 Sections 2308.11.1 and 2308.12.1; numbers of stories**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 215. Delete the exception to Sections 2308.11.1 and 2308.12.1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-215; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946*)

**675 IAC 13-2.4-216 Section 2403.1; safety glazing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 216. Change the first paragraph of Section 2403.1 to read as follows: Each pane shall bear the manufacturer's label designating the type and thickness of the glass or glazing material. The identification shall not be omitted unless approved and an affidavit is furnished by the glazing contractor certifying that each light is glazed in accordance with the provisions of this chapter. Safety glazing shall be identified in accordance with Section 2406.1.1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-216; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2946*)

**675 IAC 13-2.4-217 Section 2603.4.1.9; garage doors**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 217. Delete the exception to Section 2603.4.1.9. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-217; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2947*)

**675 IAC 13-2.4-218 Section 2606.3; identification**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 218. Change in Section 2606.3 Identification, the words "satisfactory to" to the words "approved by". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-218; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2947*)

**675 IAC 13-2.4-219 Section 2606.5; structural requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 219. Delete Section 2606.5 Structural requirements, and substitute to read as follows: Light-transmitting plastic materials in their assembly shall be of adequate strength and durability to withstand the loads indicated in Chapter 16 and shall be approved by the building official. *(Fire Prevention and Building and Safety Commission; 675 IAC 13-2.4-219; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2947)*

**675 IAC 13-2.4-220 Chapter 27; electrical**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 220. Delete Chapter 27 Electrical, and substitute to read as follows: See the Indiana Electrical Code (675 IAC 17). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-220; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2947)*

**675 IAC 13-2.4-221 Chapter 28; mechanical systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 221. Delete Chapter 28 Mechanical systems, and substitute to read as follows: See the Indiana Mechanical Code (675 IAC 18) and the Indiana Fuel Gas Code (675 IAC 25). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-221; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2947)*

**675 IAC 13-2.4-222 Chapter 29; plumbing systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 222. Delete the text of Chapter 29 and substitute as follows:

**SECTION 2901. PLUMBING FIXTURES**

Plumbing systems shall comply with the Indiana Plumbing Code (675 IAC 16).

**SECTION 2902.** Minimum number of fixtures. Plumbing fixtures shall be provided for the type of occupancy and in the minimum number shown in TABLE No. 29. Types of occupancies not shown in TABLE No. 29 shall be considered as the most similar listed occupancy.

The number of occupants of a building, for the purpose of Chapter 29, shall be one (1) of the following:

1. The actual or anticipated number of occupants; or
2. The square feet of usable (net) floor space divided by the occupant load factor found in Table 10-A.

**SECTION 2903.** Where plumbing fixtures are required separate facilities shall be provided for each sex.

**EXCEPTIONS:**

1. Separate facilities shall not be required in residential occupancies.
2. Separate employee facilities shall not be required in occupancies in which fifteen (15) or less people are employed.
3. Separate facilities shall not be required in structures or tenant space with a total occupant load, including both employees and customers, of fifteen (15) or less in which food or beverage is served for consumption within the structure or tenant space.

**SECTION 2904.** Number of occupants of each sex: The required water closets, lavatories, and showers or bathtubs shall be distributed equally, except where specified in TABLE No. 29, between the sexes based on the percentage load of each sex anticipated in the occupant load. The occupant load shall be composed of fifty percent (50%) of each sex unless statistical data indicates a different distribution of the sexes.

**SECTION 2905.** Location of employee toilet facilities in occupancies other than use Group A or M occupancies: Access to toilet facilities in occupancies other than use Group A or M occupancies shall be from within the employee's regular working area. The required toilet facilities shall not exceed a distance of five hundred (500) feet (one hundred fifty-two (152) meters). Employee

facilities shall be either separate facilities or public facilities.

EXCEPTION: Facilities that are required for employees in storage structures or kiosks, and which are located in adjacent structures under the same ownership, lease, or control, shall be a maximum travel distance of five hundred (500) feet (one hundred fifty-two (152) meters) from the employees' regular working area.

1. Location of employee toilet facilities in buildings of use Groups A and M occupancies: Employees shall be provided with toilet facilities in buildings and tenant spaces utilized as restaurants, nightclubs, places of public assembly, and retail sales occupancies. The employee facilities shall be either separate facilities or public facilities.

EXCEPTION: Employee toilet facilities shall not be required in tenant spaces of nine hundred (900) square feet (eighty-four (84) meters squared) or less where the travel distance from the main entrance of the tenant space to a central toilet area does not exceed five hundred (500) feet (one hundred fifty-two (152) meters) and such central toilet facilities are located not more than one (1) story above or below the tenant space.

SECTION 2906. Public facilities: The public shall be provided with toilet facilities in structures and tenant spaces utilized as restaurants, nightclubs, places of assembly, and retail sales occupancies. Public toilet facilities shall be located not more than one (1) story above or below the space required to be provided with public toilet facilities, and the path of travel to such facilities shall not exceed a distance of five hundred (500) feet (one hundred fifty-two (152) meters). In covered mall buildings, required facilities shall be based on total square footage, and facilities shall be installed in each individual store or in a central toilet area located in accordance with this section. The maximum travel distance to the central toilet facilities in covered mall buildings shall be measured from the main entrance of any store or tenant space.

EXCEPTION: Public facilities are not required in structures or tenant spaces with an occupant load of less than one hundred fifty (150) and which do not serve food or beverages to be consumed within the structure or tenant space.

SECTION 2907. Access for cleaning: Plumbing fixtures shall be installed so as to afford access for cleaning both the fixture and area around the fixture. Unless conditions such as freezing or structural impairment restricts, all pipes from fixtures shall be routed to the nearest wall.

SECTION 2908. Convenience and function: Fixtures shall be set level and in alignment with reference to adjacent walls.

1. Water closets, lavatories, and bidets: A water closet, lavatory, or bidet shall not be set closer than fifteen (15) inches (three hundred eighty-one (381) millimeters) from its center to any side wall, partition, vanity, or other obstruction, nor closer than thirty (30) inches (four hundred sixty-two (462) millimeters) clearance in front of the water closet or bidet to any wall, fixture, or door. Water closet compartments shall not be less than thirty (30) inches (seven hundred sixty-two (762) millimeters) wide and sixty (60) inches (one thousand five hundred twenty-four (1,524) millimeters) deep. There shall be at least eighteen (18) inches (four hundred fifty-seven (457) millimeters) clearance in front of a lavatory to any wall, fixture, or door. See Figure 29.

2. Urinals: A urinal shall not be set closer than fifteen (15) inches (three hundred eighty-one (381) millimeters) from the center of the urinal to any side wall, partition, vanity, or other obstruction, nor closer than thirty (30) inches (seven hundred sixty-two (762) millimeters) center-to-center between urinals.

SECTION 2909. Drinking Fountains. Where required by TABLE No. 29, drinking fountains shall be installed.

EXCEPTIONS:

1. Where water is served in restaurants or where bottled water coolers are provided in other occupancies, drinking fountains shall not be required.

2. Drinking fountains shall not be installed in public rest rooms or nonprivate bathrooms.

SECTION 2910. Substitution of urinals for water closets. In each bathroom or toilet room, urinals shall not be substituted for more than fifty percent (50%) of the required water closets.

SECTION 2911. Access: Where access by persons with a disability is required by Chapter 11, accessible toilet and other facilities shall be provided as specified in that chapter.

SECTION 2912. Unisex bathing and toilet rooms.

2912.1 General. Unisex bathing and toilet rooms shall comply with this section and Chapter 11.

In Groups A and M Occupancies, an accessible unisex toilet room shall be provided where an aggregate of six (6) or more male and female water closets are required. In buildings of mixed occupancy, only those water closets required for the Group A or M Occupancy shall be used to determine the unisex toilet room requirement.

2912.2 Location. Unisex toilet and bathing rooms shall be located on an accessible route. Unisex toilet rooms shall be located not more than one (1) story above or below separate-sex toilet facilities. The accessible route from any separate-sex toilet room to a

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unisex toilet room shall not exceed five hundred (500) feet (one hundred fifty-two thousand four hundred (152,400) millimeters). Additionally, in passenger transportation facilities and airports, the accessible route from separate-sex toilet facilities to a unisex toilet room shall not pass through security checkpoints.

2912.3 Clear floor space. Where doors swing into a unisex toilet or bathing room, a clear floor space not less than thirty (30) inches by forty-eight (48) inches (seven hundred sixty-two (762) millimeters by one thousand two hundred nineteen (1,219) millimeters) shall be provided within the room, beyond the area of the door swing.

2912.4 Required fixtures.

2912.4.1 Unisex toilet rooms. Unisex toilet rooms shall include only one (1) water closet and only one (1) lavatory. Where a bathing facility is provided within a unisex toilet room, only one (1) shower shall be provided.

EXCEPTION: A separate-sex toilet room containing not more than two (2) water closets without urinals, or containing only one (1) water closet and one (1) urinal, may be considered a unisex toilet room.

2912.4.2 Unisex bathing rooms. Unisex bathing rooms shall include one (1) shower fixture. Unisex bathing rooms shall also include one (1) water closet and one (1) lavatory. Where storage facilities are provided for separate-sex bathing facilities, accessible storage facilities shall be provided for unisex bathing rooms.

TABLE NO. 29  
MINIMUM NUMBER OF PLUMBING FACILITIES  
Fixtures

Building Occupancy		Number of fixtures per number of occupants					
		Water Closets		Lavatories	Bathtubs/ Showers	Drinking Fountains	Service Sink
Males	Females						
A	Theaters	1 per 125	1 per 65	1 per 200	—	1 per 1,000	1
	Night Clubs	1 per 40	1 per 40	1 per 75	—	1 per 500	1
	Restaurants	1 per 75	1 per 75	1 per 200	—	1 per 500	1
	Halls, museums, etc.	1 per 125	1 per 65	1 per 200	—	1 per 1,000	1
	Coliseums, arenas	1 per 75	1 per 40	1 per 150	—	1 per 1,000	1
	Churches (b)	1 per 150	1 per 75	1 per 200	—	1 per 1,000	1
	Stadiums, pools, etc.	1 per 100	1 per 50	1 per 150	—	1 per 1,000	1
B	Business	1 per 25		1 per 40	—	1 per 100	1
M	Retail sales	1 per 500		1 per 750	—	1 per 1,000	1
F	Factory and industrial	1 per 100		1 per 100	emergency showers and eyewash	1 per 400	1
S	Storage	1 per 100		1 per 100	emergency showers and eyewash	1 per 1,000	1
E	Educational	1 per 50		1 per 50	—	1 per 100	1
H	Hazardous	1 per 100		1 per 100	emergency showers and eyewash	1 per 1,000	1
I	Hospitals (c)	1 per room (f)		1 per room (f)	1 per 15	1 per 100	1 per floor
	I-1 Nurseries, day care centers, sanitariums, and nursing homes with nonambulatory patients (c)	1 per 15		1 per 15	1 per 15 (g)	1 per 100	1
	I-2 Nursing homes for ambulatory patients (c)	1 per room (f)		1 per room (f)	1 per 15	1 per 100	1 per floor

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	I-3 Mental hospitals, mental sanitariums, etc.	1 per 15	1 per 15	1 per 15	1 per 100	1
	I-3 Jails/reformatories cells	1 per cell	1 per cell	1 per 8	—	—
	I-3 Dormitory or other institutional rooms with 24 hour access to sanitary facilities	1 per 12    1 per 8	1 per 12	1 per 8	—	—
	I-3 Exercise rooms	1 per room	1 per room	—	—	—
	I-3 Employees (c)	1 per 25	1 per 25	—	1 per 100	—
	I-3 Visitors	1 per 75	1 per 100	—	1 per 500	—
R	Lodges, dormitories, and bed and breakfast facilities	1 per 10	1 per 8	1 per 10	1 per 100	1
	Hotels and motels	1 per guest room	1 per guest room	1 per guest room	—	1
	Multiple family housing (d)	1 per dwelling unit	1 per dwelling unit	1 per dwelling unit	—	1 kitchen sink per dwelling unit

Note (a) The fixtures shown are based on one (1) fixture being the minimum required for the number of persons indicated or any fraction of the number of persons indicated.

Note (b) Fixtures located in adjacent buildings under the ownership or control of the church may be made available during periods the church is occupied.

Note (c) Toilet facilities for employees shall be separate from the facilities for inmates or patients.

Note (d) One (1) automatic clothes washer connection shall be required per twenty (20) dwelling units.

Note (e) One (1) automatic clothes washer connection shall be required per dwelling unit.

Note (f) A single-occupant toilet room and one (1) water closet and one (1) lavatory servicing not more than two (2) adjacent patients rooms shall be permitted where such room is provided with direct access from each patient room and with provisions for privacy.

Note (g) For nurseries, a maximum of one (1) bathtub shall be required.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-222; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2947)*

**675 IAC 13-2.4-223    Section 3001.2; referenced standards**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 223. Change Section 3001.2 Referenced standards to read as follows: Except as otherwise provided for in this code, the design, construction, installation, and alteration of elevators and conveying systems that are part of a Class 1 structure shall conform to the Indiana Elevator Safety Code (675 IAC 21). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-223; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2950)*

**675 IAC 13-2.4-224    Section 3001.3; accessibility**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 224. Change Section 3001.3 Accessibility to read as follows: See Chapter 11 for the requirements for accessible elevators. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-224; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2950)*

**675 IAC 13-2.4-225    Section 3001.4; change in use**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 225. Change Section 3001.4 Change in use to read as follows: See the Indiana Elevator Safety Code (675 IAC 21) for any change of use of an elevator. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-225; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2950)*

**675 IAC 13-2.4-226 Section 3002.4.1**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 226. Add Section 3002.4.1 after Section 3002.4 to read as follows: 3002.4.1 Elevator cars to accommodate an ambulance stretcher in buildings three (3) stories or less in height. In buildings of I-1, I-2, I-3, and R-4 occupancies that are three (3) stories or less in height, where an elevator is installed, such elevator shall be installed in accordance with the provisions in Section 3002.4. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-226; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2950)*

**675 IAC 13-2.4-227 Section 3005.3; conveyors**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 227. Change Section 3005.3 Conveyors to read as follows: Conveyors and conveying systems that are within the scope of Section 101.2 shall comply with ASME B20.1 and Sections 3003.1 and 3005.3.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-227; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2950)*

**675 IAC 13-2.4-228 Section 3103.1.1; permit required**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 228. Delete Section 3103.1.1 Permit required and Section 3103.2 Construction documents and substitute as follows: See the General Administrative Rules (675 IAC 12-6) and local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-228; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2950)*

**675 IAC 13-2.4-229 Section 3107.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 229. Delete Section 3107.1 General. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-229; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951)*

**675 IAC 13-2.4-230 Section 3109; swimming pool enclosure**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 230. Delete Section 3109 Swimming pool enclosures and substitute as follows: See the Indiana Swimming Pool Code (675 IAC 20). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-230; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951)*

**675 IAC 13-2.4-231 Chapter 32; encroachments into the public right-of-way**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 231. Delete Chapter 32 Encroachments into the public right-of-way and substitute as follows: See local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-231; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951)*

**675 IAC 13-2.4-232 Chapter 33; safeguards during construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 232. Delete Chapter 33 Safeguards during construction. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-232; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951*)

**675 IAC 13-2.4-233 Chapter 34; existing structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 233. Delete Chapter 34 Existing structures and substitute as follows: See the General Administrative Rules (675 IAC 12) and local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-233; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951*)

**675 IAC 13-2.4-234 Chapter 35; referenced standards**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 234. Amend Chapter 35 as follows: (a) Change Section 102.8 to Section 101.3.

(b) Delete the following referenced standards:

- (1) ASCE 24-98.
- (2) ASME A17.1-96.
- (3) ASME A90.1-97.
- (4) ICC A117.1-98.
- (5) NFPA 11-98.
- (6) NFPA 12-93.
- (7) NFPA 13-96.
- (8) NFPA 13R-96.
- (9) NFPA 14-99.
- (10) NFPA 17-98.
- (11) NFPA 17A-98.
- (12) NFPA 2001-96.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-234; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951*)

**675 IAC 13-2.4-235 Appendices**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 235. Make the following changes:

- (1) Delete Appendix A Employee Qualifications.
- (2) Delete Appendix B Board of Appeals.
- (3) Delete Appendix C Group U Agricultural Buildings.
- (4) Delete Appendix D Fire Districts.
- (5) Delete Appendix E Supplementary Accessibility Requirements.
- (6) Delete Appendix F Rodent Proofing.
- (7) Delete Appendix G Flood Resistant Construction.
- (8) Delete Appendix H Signs.
- (9) Delete Appendix I.
- (10) Delete Appendix J Supplementary Accessibility Requirements for Qualified Historic Buildings and Facilities.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-235; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951)*

**Rule 3. Indiana Building Code Standards (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989)*

**Rule 3.1. Indiana Building Code Standards (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126, eff Jan 3, 1993)*

**Rule 3.2. Indiana Building Code Standards, 1993 Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2908)*

**Rule 4. Handicapped Accessibility Code (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Dec 15, 1989, 5:05 p.m.: 13 IR 896)*

**Rule 4.1. Indiana Handicapped Accessibility Code, Second Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Mar 13, 1995, 2:30 p.m.: 18 IR 2102)*

**Rule 4.2. American National Standard A117.1-1986 (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Mar 13, 1995, 2:30 p.m.: 18 IR 2102)*

**ARTICLE 14. ONE AND TWO FAMILY DWELLING CODE**

**Rule 1. Indiana One and Two Family Dwelling Code (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**Rule 2. Amendments to the Adopted CABO One and Two Family Dwelling Code (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Jan 15, 1987, 10:40 am: 10 IR 1272, eff Mar 1, 1987)*

**Rule 2.1. CABO One and Two Family Dwelling Code; Amendments**

**675 IAC 14-2.1-1 Scope (Repealed)**

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-2 Authority (Repealed)**

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-3 Violations (Repealed)**

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-4 Penalty (Repealed)**

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-5 Right of appeal (Repealed)**

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-6 Alternate materials, methods and designs (Repealed)**

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-7 Permit required (Repealed)**

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-8 Other inspections (Repealed)**

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-9 Approval required (Repealed)**

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-10 Existing installations (Repealed)**

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-11 Definitions (Repealed)**

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-12 Climatic and geographic criteria (Repealed)**

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-13 Workmanship (Repealed)**

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-14 Parapets (Repealed)**

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-15 Structural independence (Repealed)**

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Feb 8, 1988, 10:03 am: 11 IR 1796)*

**675 IAC 14-2.1-16 Bathrooms (Repealed)**

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-17 Heating (Repealed)**

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-18 Hazardous locations (Repealed)**

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-19 Attached garages (Repealed)**

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-20 Garages, carports and accessory structures (Repealed)**

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-21 Emergency egress openings (Repealed)**

Sec. 21. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-22 Landings (Repealed)**

Sec. 22. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-23 Spiral stairs and winders (Repealed)**

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-24 Smoke detector required (Repealed)**

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-25 Attics and crawlspaces (Repealed)**

Sec. 25. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-26 Climatic and geographic design criteria; Table No. R-202 (Repealed)**

Sec. 26. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-27 Minimum uniformly distributed live loads; Table No. R-202.4 (Repealed)**

Sec. 27. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-28 Roof live loads; Figure No. R-202.1 (Repealed)**

Sec. 28. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-29 Frost line depth; Figure No. R-202.2 (Repealed)**

Sec. 29. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-30 Detached garages, detached carports or accessory structures; Table No. R-210 (Repealed)**

Sec. 30. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-31 Soil test (Repealed)**

Sec. 31. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-32 Concrete (Repealed)**

Sec. 32. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-33 Footings (Repealed)**

Sec. 33. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-34 Backfill damage (Repealed)**

Sec. 34. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-35 Drains required (Repealed)**

Sec. 35. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-36 Dampproofing for concrete and masonry foundations (Repealed)**

Sec. 36. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-37 Location required (Repealed)**

Sec. 37. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-38 Drainage (Repealed)**

Sec. 38. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-39 Minimum specified compressive strength of concrete; Table No. R-302.3 (Repealed)**

Sec. 39. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-40 Minimum foundation requirements; Figure No. R-303 (Repealed)**

Sec. 40. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-41 Construction (Repealed)**

Sec. 41. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-42 Cutting and notching (Repealed)**

Sec. 42. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-43 Firestopping (Repealed)**

Sec. 43. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-44 Draftstopping (Repealed)**

Sec. 44. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-45 Plywood (Repealed)**

Sec. 45. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-46 Fastener schedule for structural members; Table No. R-402.3.2 (Repealed)**

Sec. 46. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-47 Figure No. R-402.3.2 (Repealed)**

Sec. 47. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-48 Flashing (Repealed)**

Sec. 48. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-49 Flashing (Repealed)**

Sec. 49. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-50 Weather-resistant siding attachment and minimum thickness; Table No. R-503.6 (Repealed)**

Sec. 50. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-51 Bearing (Repealed)**

Sec. 51. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-52 Base (Repealed)**

Sec. 52. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-53 Floor underlayment (Repealed)**

Sec. 53. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-54 Floor construction; Figure No. R-601.2 (Repealed)**

Sec. 54. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-55 Framing details (Repealed)**

Sec. 55. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-56 Allowable spans (Repealed)**

Sec. 56. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-57 Bearing (Repealed)**

Sec. 57. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-58 Attic ventilation (Repealed)**

Sec. 58. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-59 Attic access (Repealed)**

Sec. 59. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-60 Framing details; Figure No. R-702.3 (Repealed)**

Sec. 60. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-61 Requirements (Repealed)**

Sec. 61. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-62 Deck preparation (Repealed)**

Sec. 62. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-63 Composition shingles (Repealed)**

Sec. 63. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-64 General (Repealed)**

Sec. 64. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-65 Slopes less than four inches (4") in twelve inches (12") but not less than two inches (2") in twelve inches (12") (Repealed)**

Sec. 65. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-66 Fasteners (Repealed)**

Sec. 66. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-67 Valley flashing (Repealed)**

Sec. 67. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-68 Wall flashing (Repealed)**

Sec. 68. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-69 Other flashing (Repealed)**

Sec. 69. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-70 Hips and ridges (Repealed)**

Sec. 70. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-71 Built-up roofing (Repealed)**

Sec. 71. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-72 Roof coverings; Table No. R-801.2 (Repealed)**

Sec. 72. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-73 Support (Repealed)**

Sec. 73. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-73.1 Flue lining (Repealed)**

Sec. 73.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-74 Flue area (Repealed)**

Sec. 74. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-75 Fireplace support (Repealed)**

Sec. 75. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-76 Fireplace and chimney details; Figure No. R-904 (Repealed)**

Sec. 76. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-77 Installation (Repealed)**

Sec. 77. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-78 Definitions (Repealed)**

Sec. 78. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-79 General (Repealed)**

Sec. 79. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-80 Type of fuel; fuel connection (Repealed)**

Sec. 80. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-81 Fuel-burning appliance labeling (Repealed)**

Sec. 81. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-82 Appliance (Repealed)**

Sec. 82. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-83 General air supply (Repealed)**

Sec. 83. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-84 Existing buildings (Repealed)**

Sec. 84. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-85 Prohibited sources (Repealed)**

Sec. 85. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-86 Interior spaces (Repealed)**

Sec. 86. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-87 Attic combustion air (Repealed)**

Sec. 87. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-88 Combustion air (Repealed)**

Sec. 88. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-89 Ducts (Repealed)**

Sec. 89. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-90 Area of combustion air openings (Repealed)**

Sec. 90. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-91 Cold climate (Repealed)**

Sec. 91. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-92 Appliance room combustion air requirements in cold climates; Table No. M-1211 (Repealed)**

Sec. 92. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-93 Existing furnaces (Repealed)**

Sec. 93. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-94 Prohibited location (Repealed)**

Sec. 94. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-95      General (Repealed)**

Sec. 95. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-96      General (Repealed)**

Sec. 96. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-97      Circulating air supply—prohibited source (Repealed)**

Sec. 97. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-98      General (Repealed)**

Sec. 98. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-99      Floor furnaces (Repealed)**

Sec. 99. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-100      Floor furnace access (Repealed)**

Sec. 100. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-101      Floor furnace installation (Repealed)**

Sec. 101. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-102      General (Repealed)**

Sec. 102. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-103      Installation requirements (Repealed)**

Sec. 103. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-104      Access (Repealed)**

Sec. 104. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-105 Joints and seams of ducts (Repealed)**

Sec. 105. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-106 Installation (Repealed)**

Sec. 106. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-107 Installation (Repealed)**

Sec. 107. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-108 Underfloor plenum; single dwelling (Repealed)**

Sec. 108. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-109 Ventilation systems (Repealed)**

Sec. 109. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-110 Condensate disposal (Repealed)**

Sec. 110. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-111 Identification (Repealed)**

Sec. 111. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-112 Containers above ground (Repealed)**

Sec. 112. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-113 Containers below ground (Repealed)**

Sec. 113. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-114 Pipe size (Repealed)**

Sec. 114. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-115 Shutoff valves (Repealed)**

Sec. 115. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-116 Appliance connectors (Repealed)**

Sec. 116. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-117 Oil fuel supply (Repealed)**

Sec. 117. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-118 Application (Repealed)**

Sec. 118. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-119 Studs in nonbearing partitions (Repealed)**

Sec. 119. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-120 Definitions (Repealed)**

Sec. 120. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-120.5 Building sewers (Repealed)**

Sec. 120.5. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-121 Underground (Repealed)**

Sec. 121. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-122 Number of fixtures per trap (Repealed)**

Sec. 122. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-123 Vertical leg for waste fixture drains (Repealed)**

Sec. 123. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-124 Dry vent sizing (Repealed)**

Sec. 124. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-125 Typical single bath wet-vent arrangements; Figure No. P-2207.7.2 (Repealed)**

Sec. 125. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-126 Typical double-bath wet-vent arrangements; Figure No. P-2207.7.3 (Repealed)**

Sec. 126. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-127 Wastestack serving as wet-vent for laundry group; Figure No. P-2207.7.5 (Repealed)**

Sec. 127. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-128 Typical methods of connecting fixture drains to stack-vented systems; Figure No. P-2207.8.2 (Repealed)**

Sec. 128. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-129 Typical single-stack system for a two-story dwelling; Figure No. P-2207.8.3 (Repealed)**

Sec. 129. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-130 Typical uniformly sized horizontal branch system; Figure No. P-2207.9-A (Repealed)**

Sec. 130. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-131 Typical horizontal branch system reducing in size utilizing wet venting; Figure No. P-2207.9-B (Repealed)**

Sec. 131. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-132 Access to connections (Repealed)**

Sec. 132. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-133    Seals (Repealed)**

Sec. 133. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-134    Length of trap arm (Repealed)**

Sec. 134. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-135    Showers (Repealed)**

Sec. 135. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-136    General (Repealed)**

Sec. 136. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-137    Water-supply riser (Repealed)**

Sec. 137. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-138    Shower heads (Repealed)**

Sec. 138. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-139    Clothes washer (Repealed)**

Sec. 139. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-140    Materials (Repealed)**

Sec. 140. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-141    Soldered joints (Repealed)**

Sec. 141. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-142    General (Repealed)**

Sec. 142. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-143 Minimum sizes of fixture branches (Repealed)**

Sec. 143. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-144 Chapter 25; sewers and private or individual sewage disposal systems (Repealed)**

Sec. 144. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-145 General (Repealed)**

Sec. 145. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-146 Building sewer materials (Repealed)**

Sec. 146. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-147 Markings (Repealed)**

Sec. 147. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-148 Size (Repealed)**

Sec. 148. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-149 Grade, support (Repealed)**

Sec. 149. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-150 Cleanouts (Repealed)**

Sec. 150. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-151 Sewer, water pipes (Repealed)**

Sec. 151. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-152 Drawing; specifications (Repealed)**

Sec. 152. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-153 Location (Repealed)**

Sec. 153. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-154 Abandoned sewers; sewage disposal facilities (Repealed)**

Sec. 154. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-155 Electrical; energy conservation (Repealed)**

Sec. 155. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-156 Abbreviations (Repealed)**

Sec. 156. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-157 Flame-retardant treated wood (Repealed)**

Sec. 157. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-158 Foundations (Repealed)**

Sec. 158. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-159 Slabs (Repealed)**

Sec. 159. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-160 Wall construction (Repealed)**

Sec. 160. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-161 Wall covering (Repealed)**

Sec. 161. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-162 Roof covering (Repealed)**

Sec. 162. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-163 Mechanical materials (Repealed)**

Sec. 163. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-164 Mechanical equipment (Repealed)**

Sec. 164. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-165 Plumbing; general (Repealed)**

Sec. 165. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-166 Sewer pipe (Repealed)**

Sec. 166. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-167 Water piping (Repealed)**

Sec. 167. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-168 Appendix A (Repealed)**

Sec. 168. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-169 Appendix B (Repealed)**

Sec. 169. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-170 Appendix C (Repealed)**

Sec. 170. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-171 Structural independence (Repealed)**

Sec. 171. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-172 Exterior walls (Repealed)**

Sec. 172. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**675 IAC 14-2.1-173 Openings (Repealed)**

Sec. 173. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**Rule 3. Permanent Installation of Manufactured Homes (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

**Rule 4. Indiana One and Two Family Dwelling Code, 1990 Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Oct 30, 1997, 12:45 p.m.: 21 IR 1003)*

**Rule 4.1. Indiana One and Two Family Dwelling Code, 1997 Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed May 23, 2001, 4:02 p.m.: 24 IR 3066)*

**Rule 4.2. Indiana Residential Code**

**675 IAC 14-4.2-1 Adoption by reference; title; availability; purpose**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 1. (a) That certain document being titled the International Residential Code for One and Two Family Dwellings published by the International Code Council, 5203 Leesburg Pike, Suite 708, Falls Church, Virginia 22041-3401, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule.

(b) This rule shall be known as the Indiana Residential Code, 2001 edition, and shall be published, except incorporated documents, by the fire and building services department for general distribution and use under that title. Wherever the term "this code" is used throughout this rule, it shall mean the Indiana Residential Code, 2001 edition.

(c) This rule is available for reference and review at the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204.

(d) The purpose of this code is to provide minimum requirements for safety and to safeguard property, public safety, and general welfare through affordability, by regulating and controlling the design, construction, installation, and quality of materials of residential structures as regulated by this code. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-1; filed May 23, 2001, 4:02 p.m.: 24 IR 3032; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2253)*

**675 IAC 14-4.2-2 Chapter 1; administration**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 4-21.5; IC 4-22-7-7; IC 22-12-1-16; IC 22-12-1-17; IC 22-12-7; IC 22-13-2-7; IC 22-13-5; IC 22-14; IC 22-15; IC 25-4; IC 25-31; IC 36-7

Sec. 2. Delete Chapter 1 and substitute as follows: (a) SECTION R101 Application is added to read as follows: SECTION R101 APPLICATION

The provisions of this code apply to the construction, prefabrication, alteration, addition, and remodel of detached one (1) or two (2) family dwellings and one (1) family townhouses not more than three (3) stories in height and their accessory structures.

This code does not apply to manufactured homes as defined in SECTION R202, SECTION AE201, and IC 22-12-1-16 except as addressed in APPENDIX E.

This code does not apply to mobile structures as defined in IC 22-12-1-17.

Townhouses are classified as Class 1 structures and detached one (1) and two (2) family dwellings and their accessory structures are classified as Class 2 structures.

Provisions in the appendices are not enforceable unless specifically adopted.

The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions

of this code shall apply.

EXCEPTION: Where the enforcement of a code provision would violate the listing of the equipment, appliance, or certification of engineered products by a registered architect registered under IC 25-4 or a professional engineer registered under IC 25-31, the conditions of the listing, manufacturer's instructions, or professional certification by a registered architect or professional engineer shall apply.

(b) SECTION R102 is added to read as follows: SECTION R102 APPEALS AND INTERPRETATIONS

Appeals from orders issued by the Fire Prevention and Building Safety Commission or the state building commissioner are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders by a local unit of government are governed by IC 22-13-2-7 and local ordinance. Upon the written request of an interested person, the office of the state building commissioner may issue a written interpretation of a building law. The written interpretation as issued under IC 22-13-5 binds the interested person and the county or municipality with whom the interested person has the dispute until overruled under IC 4-21.5. A written interpretation of a building law binds all counties and municipalities if the office of the state building commissioner publishes the written interpretation of the building law in the Indiana Register under IC 4-22-7-7(b).

(c) SECTION R103 is added to read as follows: SECTION R103 PLANS

Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12-6) and for Class 2 structures as required by local ordinance.

(d) SECTION R104 is added to read as follows: SECTION R104 EXISTING CONSTRUCTION

For existing construction, see the General Administrative Rules (675 IAC 12-4) and local ordinance.

(e) SECTION R105 is added to read as follows: SECTION R105 ADDITIONS AND ALTERATIONS

Additions and alterations to any structure shall conform to that required for a new structure without requiring the existing structure to comply with all the requirements of this code. Additions or alterations shall not cause an existing structure to become unsafe.

(f) SECTION R106 is added to read as follows: SECTION R106 ALTERNATIVE MATERIALS, METHODS, AND EQUIPMENT

#### SECTION R106.1 ALTERNATE MATERIALS, METHODS, AND EQUIPMENT

The provisions of this code are not intended to limit the appropriate use of materials, appliances, equipment, or methods of design or construction not specifically prescribed by this code provided the building official determines that the proposed alternate materials, appliances, equipment, or methods of design or construction are at least equivalent of that prescribed in this code in suitability, quality, strength, effectiveness, fire resistance, durability, dimensional stability, safety, and sanitation. For Class 1 structures, alternate materials, methods, equipment, and design shall be as required by the General Administrative Rules (675 IAC 12-6-11). Compliance with specific provisions of the Indiana Building Code (675 IAC 13) or the Indiana Plumbing Code (675 IAC 16) in lieu of the requirements of this code shall be permitted as an alternate.

#### SECTION R106.2 EVIDENCE

The building official may require that evidence or proof be submitted to substantiate any claims that may be made regarding the proposed alternate.

#### SECTION R106.3 TESTS

Determination of equivalence shall be based on design or test methods or other such standards. The building official may accept as supporting data to assist in this determination duly authenticated reports from the Building Officials and Code Administrators International, Inc., Southern Building Code Congress International, Inc., International Conference of Building Officials, the International Code Council, Inc., or their successors, or acceptance documents from the U. S. Department of Housing and Urban Development, the certification of a registered architect registered under IC 25-4 or a professional engineer registered under IC 25-31, or the General Administrative Rules (675 IAC 12).

(g) SECTION R107 is added to read as follows: SECTION R107 WORKMANSHIP

General Workmanship. All construction methods shall be accepted practices to ensure livable and safe housing and shall demonstrate acceptable workmanship. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-2; filed May 23, 2001, 4:02 p.m.: 24 IR 3033; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2253*)

### **675 IAC 14-4.2-3 Section R202; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

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Sec. 3. Change SECTION R202 Definitions as follows: (a) Change in the definition of ACCESSORY STRUCTURE to read as follows: In one and two family dwellings and for the purpose of APPENDIX E, structures not more than three (3) stories high with separate means of egress, and the use of which is incidental to that of the main building and which is located on the same lot.

(b) Change the definition of ALTERATION by deleting “other than repair”.

(c) Change APPROVED to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the building official by one (1) of the following methods:

- (1) investigation or tests conducted by recognized authorities;
- (2) investigation or tests conducted by technical or scientific organizations; or
- (3) accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

(d) Change the definition of BUILDING, EXISTING to read as follows: BUILDING, EXISTING. Existing building is a building or structure erected prior to the adoption of this code.

(e) Change the definition of BUILDING OFFICIAL to read as follows: BUILDING OFFICIAL, as used in this code, shall be the local official or officials as designated in local ordinance, except it shall be the state building commissioner for Industrialized Building Systems under 675 IAC 15 and IC 22-15 and for plan review for townhouses under 675 IAC 12 and IC 22-15.

(f) Delete the definition of CONSTRUCTION DOCUMENTS and substitute to read as follows: CONSTRUCTION DOCUMENTS. For construction documents see the General Administrative Rules (675 IAC 12) for Class 1 structures and local ordinance for Class 2 structures.

(g) Delete EMERGENCY ESCAPE AND RESCUE OPENING and substitute to read as follows: EMERGENCY ESCAPE OPENING. An operable window, door, or similar device that provides for a means of escape in the event of an emergency.

(h) Delete from the definition of ESSENTIALLY NONTOXIC TRANSFER FLUIDS the following: “; and FDA-approved boiler water additions for steam boilers”.

(i) Change the definition of EXISTING INSTALLATIONS to read as follows: Any system regulated by this code that was legally installed prior to the effective date of this code.

(j) Add the definition of FAMILY after the definition of FACTORY-BUILT CHIMNEY to read as follows: FAMILY means an individual or two (2) or more persons related by blood or marriage and/or a group of not more than ten (10) persons (excluding servants) who need not be related by blood or marriage living together in a dwelling unit.

(k) Add, in the definition of FOAM PLASTIC INSULATION, “of” between the words “consisting” and “open”.

(l) Add the definition of FOUNDATION WALL after FOAM PLASTIC INSULATION to read as follows: FOUNDATION WALL means the supporting element(s) that extend from the top of the footing to the bottom of the sill plate.

(m) Delete, in the definition of HEATING DEGREE DAY (HDD), “acceptable to the code” and substitute “approved by the building”.

(n) Add the following definitions after INSULATING SHEATHING:

INTERNATIONAL BUILDING CODE means the Indiana Building Code (675 IAC 13).

ICC ELECTRICAL CODE means the Indiana Electrical Code (675 IAC 17).

INTERNATIONAL FIRE CODE means the Indiana Fire Code (675 IAC 22).

INTERNATIONAL FUEL GAS CODE means the Indiana Fuel Gas Code (675 IAC 25).

INTERNATIONAL MECHANICAL CODE means the Indiana Mechanical Code (675 IAC 18).

INTERNATIONAL PLUMBING CODE means the Indiana Plumbing Code (675 IAC 16).

(o) Delete the definition of LABELED and substitute to read as follows: LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection or production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(p) Delete the definition of LISTED AND LISTING and substitute to read as follows: LISTED AND LISTING. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(q) Add the definition of NATIONAL ELECTRICAL CODE after MULTIPLE STATION SMOKE ALARM to read as follows: NATIONAL ELECTRICAL CODE means the Indiana Electrical Code (675 IAC 17).

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- (r) Add the definition of NFPA 70 after NATURAL DRAFT SYSTEM to read as follows: NFPA 70 means the Indiana Electrical Code (675 IAC 17).
- (s) Delete the definition of PERMIT.
- (t) Delete in the definition of PLUMBING, “, repairs, maintenance”.
- (u) Delete in the definition of PLUMBING APPURTENANCE “, maintenance, servicing, economy”.
- (v) Delete the definition of POTABLE WATER and substitute to read as follows: POTABLE WATER. Water that at the point of use is acceptable for human consumption under drinking water standards adopted by the Water Pollution Control Board at 327 IAC 8.
- (w) Delete the definition of REGISTERED DESIGN PROFESSIONAL.
- (x) Add the definition of RECESSED LIGHT after RECEPTOR to read as follows: RECESSED LIGHT means a light fixture that by design penetrates the thermal boundary of the building.
- (y) Delete the definition of ROOF REPAIR.
- (z) Add the definition of SLAB-ON-GRADE FLOOR INSULATION after SKYLIGHT AND SLOPED GLAZING to read as follows: SLAB-ON-GRADE FLOOR INSULATION means insulation around the perimeter of the floor slab or its supporting foundation.
- (aa) Add the definition of SMOKE ALARM after SLOPE to read as follows: SMOKE ALARM an alarm device that is responsive to smoke.
- (bb) Add the definition of TACTILE NOTIFICATION APPLIANCE after SWEEP to read as follows: TACTILE NOTIFICATION APPLIANCE a notification appliance that alerts by sense of touch or vibration.
- (cc) Add to the definition of TOWNHOUSE, between “units” and “in”, “separated by property lines”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-3; filed May 23, 2001, 4:02 p.m.: 24 IR 3034; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2254*)

**675 IAC 14-4.2-4 Section R301.2; climatic and geographic design criteria**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 4. Delete the last sentence of SECTION R301.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-4; filed May 23, 2001, 4:02 p.m.: 24 IR 3035*)

**675 IAC 14-4.2-5 Sections R301.2.1.1 and R301.2.1.2; design criteria, internal pressure**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 5. Delete SECTIONS R301.2.1.1 and R301.2.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-5; filed May 23, 2001, 4:02 p.m.: 24 IR 3035*)

**675 IAC 14-4.2-6 Table R301.2(1); climatic and geographical design criteria**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 6. Delete TABLE R301.2(1) and corresponding footnotes and substitute to read as follows:

TABLE R301.2(1)

No.	County	Wind Speed <sup>1</sup> (MPH)	Seismic Zone <sup>2</sup>	Ground Snow (PSF)	Foundation <sup>3</sup>	Winter Design Temp	Decay	Termite	Weathering <sup>4</sup>
01	Adams	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe

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02	Allen	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
03	Bartholomew	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
04	Benton	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
05	Blackford	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
06	Boone	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
07	Brown	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
08	Carroll	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
09	Cass	90	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
10	Clark	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
11	Clay	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
12	Clinton	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
13	Crawford	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
14	Daviess	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
15	Dearborn	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
16	Decatur	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
17	Dekalb	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
18	Delaware	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
19	Dubois	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
20	Elkhart	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
21	Fayette	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
22	Floyd	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
23	Fountain	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
24	Franklin	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe

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25	Fulton	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
26	Gibson	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
27	Grant	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
28	Greene	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
29	Hamilton	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
30	Hancock	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
31	Harrison	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
32	Hendricks	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
33	Henry	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
34	Howard	90	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
35	Huntington	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
36	Jackson	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
37	Jasper	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
38	Jay	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
39	Jefferson	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
40	Jennings	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
41	Johnson	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
42	Knox	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
43	Kosciusko	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
44	LaGrange	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
45	Lake	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
46	LaPorte	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
47	Lawrence	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe

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48	Madison	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
49	Marion	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
50	Marshall	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
51	Martin	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
52	Miami	90	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
53	Monroe	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
54	Montgomery	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
55	Morgan	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
56	Newton	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
57	Noble	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
58	Ohio	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
59	Orange	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
60	Owen	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
61	Parke	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
62	Perry	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
63	Pike	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
64	Porter	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
65	Posey	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
66	Pulaski	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
67	Putnam	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
68	Randolph	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
69	Ripley	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
70	Rush	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe

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71	St. Joseph	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
72	Scott	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
73	Shelby	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
74	Spencer	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
75	Starke	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
76	Steuben	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
77	Sullivan	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
78	Switzerland	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
79	Tippecanoe	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
80	Tipton	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
81	Union	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
82	Vanderburgh	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
83	Vermillion	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
84	Vigo	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
85	Wabash	90	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
86	Warren	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
87	Warrick	90	C <sub>1</sub>	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
88	Washington	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
89	Wayne	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
90	Wells	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
91	White	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
92	Whitley	90	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe

<sup>1</sup>Wind exposure category shall be determined on a site-specific basis in accordance with SECTION R301.2.1.4.

<sup>2</sup>See SECTION R301.2.2.

<sup>3</sup>Foundation is minimum foundation depth to bottom of footing from the top of the finished grade above the footing in inches.

<sup>4</sup>The grade of masonry units shall be determined from ASTM C34, C55, C62, C73, C90, C129, C216, or C652. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-6; filed May 23, 2001, 4:02 p.m.: 24 IR 3035; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2256*)

**675 IAC 14-4.2-7 Figures R301.2(1), R301.2(2), R301.2(3), R301.2(4), R301.2(5), R301.2(6), and R301.2(7)**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 7. Delete Figures R301.2(1), R301.2(2), R301.2(3), R301.2(4), R301.2(5), R301.2(6), R301.2(7), and R301.2(8). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-7; filed May 23, 2001, 4:02 p.m.: 24 IR 3037; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2260*)

**675 IAC 14-4.2-8 Table R301.2.1.2**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 8. Delete Table R301.2.1.2 and the corresponding footnotes. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-8; filed May 23, 2001, 4:02 p.m.: 24 IR 3037*)

**675 IAC 14-4.2-9 Section R301.2.2; seismic provisions**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9. Change SECTION R301.2.2 to read as follows: The seismic provisions of this code shall apply to buildings constructed in Seismic Design Categories C, C<sub>1</sub>, D<sub>1</sub>, and D<sub>2</sub> as determined in accordance with this section.

EXCEPTION: Detached one and two family dwellings located in Seismic Design Categories C and C<sub>1</sub> are exempt from the seismic requirements of this code except such dwellings in Category C<sub>1</sub> shall comply with the provisions of SECTIONS R403.1.2, R403.1.4, R404.1.1, R404.1.2, R606.11, R606.11.2, R607.1.2, R1003.3, R1003.4, M2005.5, and FIGURE R606.10(2). Townhouses in Seismic Design Categories C and C<sub>1</sub> are not exempt from the seismic provisions of this code.

EXCEPTION: Townhouses and other buildings are exempt from the requirements of SECTION R301.2.2.7.

The weight limitations of SECTION R301.2.2.4 shall apply to buildings in all Seismic Design Categories regulated by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-9; filed May 23, 2001, 4:02 p.m.: 24 IR 3038; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2260*)

**675 IAC 14-4.2-10 Section R301.2.2.1; determination of seismic design category**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 10. Delete SECTION R301.2.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-10; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

**675 IAC 14-4.2-11 Section R301.2.2.1.1; alternate determination of seismic design category**

Authority: IC 22-13-2-2; IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 11. Change SECTION R301.2.2.1.1 as follows: (a) Change the first sentence to read as follows: The Seismic Design Categories and corresponding Short Period Design Spectral Response Accelerations, S<sub>DS</sub> are based on soil Site Class D, as defined in the Indiana Building Code, 675 IAC 13.

(b) Change the second sentence to read as follows: If soil conditions are other than Site Class D, the Short Period Design Spectral Response Acceleration, S<sub>DS</sub>, for a site can be determined according to the Indiana Building Code, 675 IAC 13.

(c) Change the third sentence to read as follows: The value of  $S_{DS}$  determined according to the Indiana Building Code, 675 IAC 13, is permitted to be used to set the Seismic Design Category according to TABLE R301.2.2.1.1, and to interpolate between values in TABLES R602.10.3 and R603.7 and other seismic design requirements of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-11; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

**675 IAC 14-4.2-12 Section R301.2.2.1.2; alternative determination of seismic design category E**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 12. Delete SECTION R301.2.2.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-12; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

**675 IAC 14-4.2-13 Section R301.2.2.2; determination of seismic design category**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 13. Delete the first sentence of SECTION R301.2.2.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-13; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

**675 IAC 14-4.2-13.5 Section R301.2.2.3; anchored stone and masonry veneer in seismic design Categories C and C<sub>1</sub>**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 13.5. Make the following changes to SECTION R301.2.2.3: Add “and C<sub>1</sub>” after “Category C” in three (3) places. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-13.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2260*)

**675 IAC 14-4.2-14 Section R301.2.2.9; irregular buildings in seismic design categories D<sub>1</sub> and D<sub>2</sub>**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 14. Delete SECTION R301.2.2.9. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-14; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

**675 IAC 14-4.2-15 Section R301.2.4; floodplain construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 15. Delete SECTION R301.2.4 and substitute to read as follows: See local ordinance for flood plain construction. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-15; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

**675 IAC 14-4.2-15.5 Section R301.4; live load**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 15.5. Add a subsection to SECTION R301.4 to read as follows: R301.4.1 Live Load Reduction.

1. Tributary floor area. A structural member which supports a tributary floor area of greater than two hundred (200) square feet on a given story is permitted to be designed using a reduced uniform floor live load for each qualifying story in accordance with the following formula:

$$L = L_0 \left[ 0.25 + \frac{10.6}{\sqrt{A_t}} \right] \geq 0.75 \text{ for } A_t > 200 \text{ ft}^2$$

Where:  $A_t$  is the tributary area of floor surface in square feet supported by the structural member and  $L_0$  is the floor live load from TABLE R301.4.

2. Multiple stories. When floor, roof, and attic live loads from multiple story levels are applied to a structural member, the live loads may be factored as follows:

$$L = L_1 + 0.7(L_2 + L_3 + \dots)$$

Where:  $L_1$  is the live load from TABLES R301.4 and R301.5 producing the maximum individual load effect, and  $L_2, L_3,$  and so forth are live loads from other sources or stories in accordance with TABLES R301.4 and R301.5. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-15.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2260*)

**675 IAC 14-4.2-16 Table R301.4; minimum uniformly distributed live loads**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 16. Delete Table R301.4 and corresponding footnotes and substitute to read as follows:

TABLE R301.4  
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS

USE	LIVE LOAD (pounds per square foot)
Attics—nonaccessible <sup>1</sup>	0
Attics—accessible <sup>2</sup>	10
Attics—uninhabitable <sup>3</sup>	20
Attics—inhabitable <sup>4</sup>	30 <sup>5</sup>
Balconies—exterior	60
Decks	40
Rooms other than sleeping rooms	40
Fire escapes	40
Garages <sup>6, 8</sup>	50
Guards and handrails <sup>9</sup>	200
Sleeping rooms	30
Stairs	40/300 <sup>7</sup>

<sup>1</sup>Attics where attic access is not required by SECTION R807.

<sup>2</sup>Attics where attic access is provided as required by SECTION R807 and a disappearing stairway or a permanent stairway is not provided.

<sup>3</sup>Attic spaces having a minimum clear height greater than six (6) feet and are not capable of containing the prism described in footnote 4, and are served by a disappearing or a permanent stairway.

<sup>4</sup>Attic spaces that are capable of containing a rectangular prism seven (7) feet high by six (6) feet wide by eight (8) feet long free of any structural member.

<sup>5</sup>For trusses, the thirty (30) pounds per square foot live load shall be applied over the entire length of the truss panel that contains the prism required by footnote 4.

<sup>6</sup>Passenger cars only.

<sup>7</sup>Individual stair treads shall be designed for the uniformly distributed live load of forty (40) pounds per square foot or a three hundred (300) pound concentrated load acting over an area of four (4) square inches, whichever produces the greater stress.

<sup>8</sup>Elevated garage floors shall be capable of supporting a two thousand (2,000) pound load applied over a twenty (20) square inch area.

<sup>9</sup>A single concentrated load applied in any direction at any point along the top.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-16; filed May 23, 2001, 4:02 p.m.: 24 IR 3038)*

**675 IAC 14-4.2-17 Section R302.1; exterior walls**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 17. Change SECTION R302.1 as follows: (a) Change the exception to read as follows:

EXCEPTIONS: 1. Tool and storage sheds, playhouses and similar structures are not required to provide wall protection based on location on the lot. Projections beyond the exterior shall not extend over the lot line.

(b) Add EXCEPTION 2 to read as follows: 2. Where structures are placed closer than three (3) feet to the property lines, the one-hour fire-resistive rating shall not apply if a perpetual, platted, and recorded easement creates a nonbuildable separation of at least six (6) feet between structures and adjacent properties. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-17; filed May 23, 2001, 4:02 p.m.: 24 IR 3039)*

**675 IAC 14-4.2-18 Section R302.2; openings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 18. Add EXCEPTION 3 to the end of SECTION R302.2 to read as follows: 3. Where structures are placed closer than three (3) feet to the property line, the limitation on openings in exterior walls shall not apply if a perpetual, platted, and recorded easement creates a nonbuildable separation of at least six (6) feet between structures on adjacent properties. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-18; filed May 23, 2001, 4:02 p.m.: 24 IR 3039)*

**675 IAC 14-4.2-19 Section R303.1; habitable rooms**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 19. Delete the third sentence of SECTION R303.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-19; filed May 23, 2001, 4:02 p.m.: 24 IR 3039)*

**675 IAC 14-4.2-19.5 Section R303.4; stairway illumination**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 19.5. In the first paragraph, delete everything after the first sentence and substitute to read as follows: Interior stairways shall be provided with an artificial light source capable of illuminating treads and landings to levels not less than one (1) foot-candle (eleven (11) lux) measured in the center of treads and landings. Exterior stairways shall be provided with an artificial light source capable of illuminating the top landing to a level not less than one (1) foot-candle (eleven (11) lux). Exterior stairways providing access to a basement from the outside grade shall be provided with an artificial light source capable of illuminating the bottom landing to a level not less than one (1) foot-candle (eleven (11) lux). *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-19.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2260)*

**675 IAC 14-4.2-20 Section R305.1; minimum height**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 20. Add EXCEPTION 4 to SECTION R305.1 to read as follows: 4. Bathrooms shall have a minimum ceiling height of six (6) feet eight (8) inches at the front clearance area for the fixtures as shown in FIGURE R307.2. Ceiling height above fixtures shall be such that the fixture may be used for its intended purpose. A shower or bath tub equipped with a shower head shall have a minimum ceiling height of six (6) feet eight (8) inches. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-20;*

*filed May 23, 2001, 4:02 p.m.: 24 IR 3039)*

**675 IAC 14-4.2-20.5 Section R308.4; hazardous locations**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 20.5. Make the following change to SECTION R308.4: Change Exception 5 to read as follows:  
 5. Glazing in SECTION 308.4, item 6, when a protective bar is installed on the accessible sides of the glazing thirty-four (34) inches (eight hundred sixty-four (864) millimeters) to thirty-eight (38) inches (nine hundred sixty-five (965) millimeters) above the floor. The bar shall be capable of withstanding a horizontal load of fifty (50) pounds (twenty-two and sixty-eight hundredths (22.68) kilograms) per linear foot without contacting the glass and be a minimum of one and one-half (1½) inches (thirty-eight (38) millimeters) in height.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-20.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3039; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2261)*

**675 IAC 14-4.2-21 Section R309; garages and carports**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 21. Change the title and text of SECTION R309 as follows: (a) Change the title of SECTION R309 to read as follows: GARAGES, CARPORTS, OR ACCESSORY STRUCTURES.

(b) Change the text of SECTION R309.2 to read as follows: The garage shall be separated from the residence and its attic area by a smoke separation of not less than one-half (½) inch (thirteen (13) millimeters) gypsum board applied to the garage side of the framing.

(c) Change the second paragraph of SECTIONS R309.3 and R309.4 to read as follows: The area of floor used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to an approved drain or toward the main vehicle entry doorway.

(d) Delete the title and text of SECTION R309.5, Flood hazard areas, and substitute to read as follows: R309.5 Detached garages, carports, or accessory structures. R309.5.1 Separation. Detached garages, carports, or accessory structures shall provide not less than six (6) feet of open space between same and the residence, except that such space may be roofed in compliance with Chapters 8 and 9 of this code. Detached garages, carports, or accessory structures separated from the residence by less than six (6) feet of open space shall be considered the same as attached and shall comply with this code. In no case shall garages, carports, or accessory structures be attached to the dwelling when the footings of the structure to be attached are above the frost line and the adjacent footings of the dwelling are at or below the frost line unless approved by the building official.

R309.5.2 Requirements. Detached garages, detached carports, or accessory structures shall be constructed to applicable sections of this code unless otherwise noted in TABLE R309. Any habitable rooms(s) located within a detached garage, detached carport, or accessory structure shall meet all applicable sections of this code and shall be provided with an exit door as specified in SECTION R311.1.

(e) Add TABLE R309 at the end of SECTION R309 to read as follows:

TABLE R309

DETACHED GARAGES, DETACHED CARPORTS, OR ACCESSORY STRUCTURES

CONSTRUCTION REQUIREMENTS	Portable 120 Square Feet Maximum	Monolithic <sup>1</sup> Footings 721 Square Feet Maximum	Structures with Conventional Foundation
Footings and Foundations	No Requirements	8" W × 18" D <sup>2</sup> or 12" W × 12" D <sup>2</sup>	Indiana Residential Code
Floors	No Requirements	Indiana Residential Code	
Exterior Walls	No Requirements		
Girders and Headers	No Requirements		
Roof Systems	No Requirements		

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Electrical Power Limits	One 15 Amp. Circuit		
Water Supply/Sanitation	Not Allowed	1	
Permanent Heat	Not Allowed	1	
Maximum Number of Stories	1	1 <sup>3</sup>	3

NOTES:

<sup>1</sup>In structures utilizing monolithic floor systems, the water and sanitation systems and permanent heating facilities may be installed when approved flexible connections are provided.

<sup>2</sup>6 × 6 - W2.9 × W2.9 welded wire fabric or equivalent is required when monolithic slab footing system is used.

<sup>3</sup>One (1) story unless otherwise approved by the building official.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-21; filed May 23, 2001, 4:02 p.m.: 24 IR 3040; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2261)*

**675 IAC 14-4.2-22 Section R310; emergency escape and rescue openings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 22. (a) Change SECTION R310 as follows: (a) Change the title to read as follows: EMERGENCY ESCAPE OPENINGS.

(b) Change the title and text of SECTION R310.1 to read as follows: R310.1. Emergency escape required. Every sleeping room shall have at least one (1) openable emergency escape window or exterior door opening for emergency escape. Where openings are provided as a means of escape, they shall have a sill height of not more than forty-four (44) inches (one thousand one hundred eighteen (1,118) millimeters) above the floor. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape opening and is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with SECTION R310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the window or door opening from the inside. Escape window openings with a finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with SECTION R310.2.

(c) Change SECTION R310.1.1 to read as follows: R310.1.1 Minimum opening area. All emergency escape openings shall have a minimum net clear opening of five and seven-tenths (5.7) square feet (five hundred thirty-thousandths (0.530) m<sup>2</sup>).

EXCEPTION: Grade floor openings shall have a minimum net clear opening of five (5) square feet (four hundred sixty-five thousandths (0.465) m<sup>2</sup>).

(d) Change SECTION R310.1.2 as follows: Minimum opening height. The minimum net clear opening height shall be twenty-two (22) inches (five hundred fifty-nine (559) millimeters).

(e) Change SECTION R310.1.4 to read as follows: R310.1.4 Operational constraints. Emergency escape openings shall be operational from the inside of the room without the use of key(s) or tool(s).

(f) Change the first sentence of SECTION R310.2 to read as follows: R310.2 Window wells. Window wells required for emergency escape shall have horizontal dimensions that allow the door or window of the emergency escape opening to be fully opened.

(g) Delete, in SECTION R310.2.1, “below the adjacent ground level”.

(h) Delete, in two (2) places in SECTION R310.4, “and rescue”.

(i) Add SECTION R310.5 to read as follows: R310.5 Sleeping room replacement window alterations. When replacing existing sleeping room windows, at least one (1) of the replacement windows within that sleeping room shall comply with SECTION R310.5. Replacement windows that do not meet the current emergency escape requirements of SECTION R310, without structural alterations to the dwelling, may be installed as long as they meet the following requirements.

1. Replacement window installation shall not reduce the existing net clear opening by more than six (6) inches horizontally and six (6) inches vertically, except that awning replacement windows shall not reduce the existing net clear opening by more than three (3) inches vertically.

2. In no case shall the replacement window net clear opening height be less than twenty-two (22) inches (five hundred fifty-nine (559) millimeters) and the net clear opening width be less than twenty (20) inches (five hundred eight (508) millimeters).

3. Double hung or sliding replacement windows shall have both sashes removable without the use of a key or tool. Single hung

installations are not allowed by this section.

4. Casement and awning replacement windows may obtain the required net clear opening with the use of egress hardware.

5. If the replacement window cannot meet the minimum requirements listed in subdivisions 1, 2, 3, and 4, the existing window shall be replaced with a like window without reducing the existing net clear opening.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-22; filed May 23, 2001, 4:02 p.m.: 24 IR 3040; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2262)*

**675 IAC 14-4.2-23 Section R311.2; type of lock or latch**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 23. Delete “egress” between “all” and “doors” and delete “or special knowledge or effort” from SECTION R311.2. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-23; filed May 23, 2001, 4:02 p.m.: 24 IR 3041)*

**675 IAC 14-4.2-24 Section R311.5; exit facilities**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 24. Delete SECTION R311.5. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-24; filed May 23, 2001, 4:02 p.m.: 24 IR 3041)*

**675 IAC 14-4.2-25 Section R312.1, Section R312.1.1 and Section R312.1.2; general, landings for stairways and landings for doors**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 25. Delete the text and SECTION numbers of SECTIONS R312.1, R312.1.1, and R312.1.2 and substitute to read as follows: (a) Add SECTION R312.1 to read as follows: R312.1 Landings. There shall be a floor or landing at the top and bottom of each stairway.

EXCEPTION: At the top of an interior flight of stairs, provided the door does not swing over the stairs.

(b) Add SECTION R312.1.1 to read as follows: R312.1.1 Required exit. There shall be a floor or landing on each side of the required exit door and the landing shall comply with SECTION R312.2.

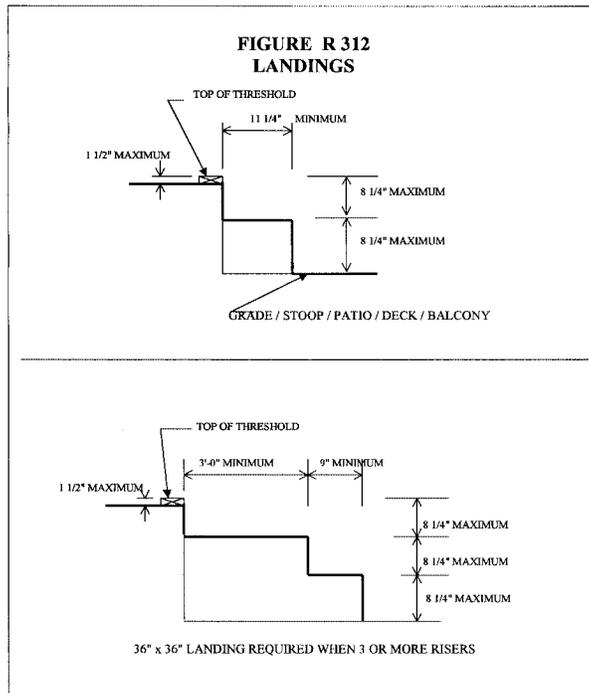
(c) Add SECTION R312.1.2 to read as follows: R312.1.2 Other exterior doors (nonrequired exits). Exterior doors, other than the required exit that requires three (3) or more risers, shall be provided with landings and steps as required by FIGURE R312, or guards, or ramps.

Exterior doors, other than the required exit that require two (2) or fewer risers, shall be provided with an intermediate tread with a width of not less than eleven and one-fourth (11¼) inches (two hundred eighty-six (286) millimeters) as required by FIGURE R312 or be provided with a landing as stated in SECTION R312.2.

(d) Add SECTION R312.1.3 to read as follows: R312.1.3 Landings at doors. The floor or landing at a door shall not be more than one and one-half (1.5) inches (thirty-eight (38) millimeters) lower than the top of the threshold.

EXCEPTION: The landing at an exterior doorway shall not be more than eight and one-fourth (8¼) inches (one hundred ninety-seven (197) millimeters) below the top of the threshold, provided that the door, other than an exterior storm or screen door does not swing over the landing.

(e) Add FIGURE R312 at the end of SECTION R312.1.



(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-25; filed May 23, 2001, 4:02 p.m.: 24 IR 3041)

**675 IAC 14-4.2-26 Section R314.2; treads and risers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 26. Change in the first sentence of SECTION R314.2 “7 ¾ inches (196 mm)” to “8 ¼ inches” and “10 inches (254 mm)” to “9 inches”. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-26; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)

**675 IAC 14-4.2-26.5 Section R314.8; under-stair protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 26.5. Change the text of R314.8 to read as follows: Enclosed accessible space under stairs, with a door or access panel, shall have walls, under-stair surface, and any soffits protected on the enclosed side with one-half (½) inch (thirteen (13) millimeter) gypsum board.

EXCEPTION: Any under-stair space with one (1) or more open sides.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-26.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2263)

**675 IAC 14-4.2-27 Section R314.9; bulkhead enclosure stairways**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 27. Change in SECTION R314.9 “egress” to “exit”. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-27; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)

**675 IAC 14-4.2-27.5 Section R315.1; handrails**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 27.5. Amend SECTION R315.1 to read as follows: R315.1 Handrails. Handrails having minimum and maximum heights of thirty-four (34) inches and thirty-eight (38) inches (eight hundred sixty-four (864) and nine hundred sixty-five (965) millimeters), respectively, measured vertically from the nosing of the treads, shall be provided on at least one (1) side of stairways. All required handrails shall serve each tread the full length of the stairs with three (3) or more risers from a point directly above the top riser of a flight to a point directly above the lowest riser of the flight. Ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than one and one-half (1½) inches (thirty-eight (38) millimeters) between the wall and handrail.

EXCEPTIONS: 1. Handrails shall be permitted to be interrupted by a newel post at a turn or by a landing.

2. The use of a volute, turnout, or starting easing shall be allowed over the lowest tread.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-27.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3042; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2263)*

**675 IAC 14-4.2-28 Section R315.2; handrail grip size**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 28. Change in the first sentence of SECTION R315.2 “2<sup>5</sup>/<sub>8</sub> inches (67 mm)” to “2<sup>7</sup>/<sub>8</sub> inches”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-28; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)*

**675 IAC 14-4.2-29 Section R316.1; guards required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 29. Change SECTION R316.1 as follows: (a) In the first sentence, add “, decks” between “balconies” and “or”.

(b) Add a sentence at the end of the section to read as follows: Guards that are installed on porches, balconies, decks, or raised floor surfaces that are thirty (30) inches (seven hundred sixty-two (762) millimeters) or less above the floor or grade do not have to meet the requirements of Section 316. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-29; filed May 23, 2001, 4:02 p.m.: 24 IR 3042; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2263)*

**675 IAC 14-4.2-30 Section R316.2; guard opening limitations**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 30. Add in the first sentence of SECTION R316.2 “, decks” between “balconies” and “and”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-30; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)*

**675 IAC 14-4.2-31 Section R317; smoke alarm**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-11-18

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 31. Delete the text of SECTION R317 and substitute to read as follows:

R317.1 Labeling. Each smoke alarm shall be listed.

R317.2 Required smoke alarm locations. At least one (1) smoke alarm shall be installed in each of the following locations:

(a) In the living area remote from the kitchen and cooking appliances. Smoke alarms located within twenty (20) feet (six and one-tenth (6.1) meters) horizontally of a cooking appliance must incorporate a temporary silencing feature or be photoelectric type.

(b) In each room designed for sleeping.

(c) On the ceiling of the upper level near the top or above each stairway, other than a basement stairway, in any multistory dwelling. The alarm shall be located so that smoke rising in the stairway cannot be prevented from reaching the alarm by an intervening door or obstruction.

(d) On the basement ceiling near the stairway.

R317.2.1 Alterations and additions. When interior alterations or additions requiring a permit occur, or when one (1) or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be provided with smoke alarms located as required for new dwellings; the smoke alarms shall be interconnected and hard wired.

EXCEPTIONS: 1. Smoke alarms in existing areas shall not be required to meet the requirements of R317.5 where the alterations do not result in the removal of the interior wall or ceiling finishes exposing the structure unless there is an attic, crawlspace, or basement available which could provide access for hard wiring and interconnection without the removal of interior finishes.

2. Repairs are exempt from the requirements of the section.

R317.3 Prohibited smoke alarm locations. A smoke alarm required under this section shall not be placed:

1. within three (3) feet (nine hundred fourteen (914) millimeters) horizontally from any grille moving conditioned air within the living space; or

2. in any location or environment that is prohibited by the terms of the listing.

R317.4 Mounting requirements. Smoke alarms required by SECTION R317.2 shall be mounted in accordance with their listing, instructions, and the requirements of this section.

R317.4.1 Flat Ceilings. In rooms with flat, peaked sloping or single slope ceilings with a slope of less than 1.5/12, smoke alarms shall be mounted either:

1. on the ceiling at least four (4) inches (one hundred two (102) millimeters) from each wall; or

2. on a wall with the top of the alarm not less than four (4) inches (one hundred two (102) millimeters) below the ceiling and not farther from the ceiling than twelve (12) inches (three hundred five (305) millimeters) or the distance from the ceiling specified in the smoke alarm manufacturer's listing and instructions, whichever is less.

R317.4.2 Peaked Sloping Ceilings. In rooms with peaked sloping ceilings with a slope of 1.5/12 or greater, smoke alarms shall be:

1. mounted on the ceiling or wall within three (3) feet (nine hundred fourteen (914) millimeters), measured horizontally, from the peak of the ceiling;

2. at least four (4) inches (one hundred two (102) millimeters), measured vertically, below the peak of the ceiling; and

3. at least four (4) inches (one hundred two (102) millimeters) from any projecting structural element.

R317.4.3 Single Slope Ceilings. In rooms with single slope ceilings with a slope of 1.5/12 or greater, smoke alarms shall be:

1. mounted on the ceiling or wall within three (3) feet (nine hundred fourteen (914) millimeters), measured horizontally, of the high point of the ceiling; and

2. not closer than four (4) inches (one hundred two (102) millimeters) from any adjoining wall surfaces or any projecting structural element.

R317.4.4 Visible and tactile notification appliances. In addition to the smoke alarms required pursuant to this section, listed visible and tactile notification appliances, when installed, shall meet the following:

R317.4.4.1 Candela Rating-Sleeping Room. A visible notification appliance, when installed in a room designed for sleeping, shall have a minimum rating of one hundred seventy-seven (177) candela, except that when the visible notification appliance is wall-mounted or suspended more than twenty-four (24) inches (six hundred ten (610) millimeters) below the ceiling, a minimum rating of one hundred ten (110) candela is permitted.

R317.4.4.2 Candela Rating-Non-Sleeping Room. A visible notification appliance, when installed in an area other than a room designed for sleeping, shall have a minimum rating of fifteen (15) candela.

R317.5 Connection to Power Source. Each smoke alarm shall be powered from:

1. the electrical system of the home as the primary power source and a battery as a secondary power source; or

2. a battery rated for a ten (10) year life, provided the smoke alarm is listed for use with a ten (10) year battery.

EXCEPTION: Visible and tactile notification appliances are required to operate from the primary power source, but are not required to operate from a secondary power source.

R317.5.1 Circuitry. Each smoke alarm whose primary power source is the home electrical system shall be mounted on an electrical outlet box and be connected by a permanent wiring method to a general branch circuit. The same branch circuit may serve more than

one (1) smoke alarm. The branch circuit for the alarm shall not include any switches between the branch circuit overcurrent protective device and the alarm and shall not be protected by a ground-fault circuit-interrupter.

R317.5.2 Interconnection. When more than one (1) smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one (1) alarm will activate all of the alarms in the individual unit. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-31; filed May 23, 2001, 4:02 p.m.: 24 IR 3042; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2263*)

**675 IAC 14-4.2-32 Section R318.2.3; attics and crawl spaces**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 32. Delete SECTION R318.2.3 and substitute to read as follows: Within an attic or crawl space, foam plastics shall be protected against ignition by one and one-half (1½) inch thick mineral fiber insulation, or one-fourth (¼) inch thick plywood, or three-eighths (¾) inch particleboard, or one-fourth (¼) inch hardboard, or three-eighths (¾) inch gypsum wallboard or corrosion-resistant steel having a base metal thickness of sixteen-thousandths (0.016) inch or other approved material installed in such a manner that the foam plastic is not exposed.

EXCEPTION: Foam plastic insulation may be installed on the walls of attics and crawl spaces with no covering applied provided all the following conditions are met:

1. The maximum thickness/density is within the following:
  - a. Maximum 4-inch thickness with a maximum density of 4.0 pcf.
  - b. Up to 2-inch thickness with a maximum density of 2.5 pcf.
  - c. Up to 1-inch thickness with a maximum density of 2.0 pcf.
2. The maximum flame spread is twenty-five (25).
3. The maximum smoke development rating is four hundred fifty (450).
4. The entry to the attic or crawl space is made only for service or maintenance (not used for storage).
5. There are not interconnected basement areas.
6. The air in the attic or crawl space is not circulated to other parts of the building.
7. Where fuel-burning appliances other than direct vent appliances or exposed (not sealed) motors are located more than ten (10) feet away from the foam insulation in the attic or crawl space.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-32; filed May 23, 2001, 4:02 p.m.: 24 IR 3043*)

**675 IAC 14-4.2-33 Section R322.1; moisture control**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 33. Delete EXCEPTION 3 in SECTION R322.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-33; filed May 23, 2001, 4:02 p.m.: 24 IR 3043*)

**675 IAC 14-4.2-34 Section R323.1; location required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 34. Make the following changes to SECTION R323.1: (a) In the first sentence delete "Figure R301.2(7)" and substitute "TABLE R301.2(1)".

(b) Change item 2 to read as follows: All sills or plates that rest on concrete or masonry exterior walls and are less than six (6) inches (one hundred fifty-two (152) millimeters) from exposed ground or masonry veneer ledge where the wood sill is less than four (4) inches (one hundred two (102) millimeters) above exposed ground.

(c) Change item 3 to read as follows: Sills and sleepers on a concrete slab that is in direct contact with the ground unless separated from such slab by an impervious moisture barrier or not required by item 2 above.

(d) Add an exception to SECTION R323.1, item 7 to read as follows: 7. Wood furring strips or other wood framing members

attached directly to the interior of exterior masonry walls or concrete walls below grade except where an approved vapor retarder is applied between the wall and the furring strips or framing members.

EXCEPTION: Exterior walls below grade complying with SECTION R406.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-34; filed May 23, 2001, 4:02 p.m.: 24 IR 3043; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2264)*

**675 IAC 14-4.2-35 Section R323.1.2; geographical areas**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 35. Change SECTION R323.1.2 to read as follows: Approved naturally durable or pressure preservatively treated wood shall be used for those portions of wood members that form the structural supports of buildings, balconies, decks, porches, or similar permanent building appurtenances when such members are exposed to the weather without adequate protection from a roof, eave, overhang, or other covering that would prevent moisture or water accumulation on the surface or at joints between members. Such members may include the following:

1. Horizontal members, such as girders, joists, and decking.
2. Vertical members, such as posts, poles, and columns.
3. Both horizontal and vertical members.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-35; filed May 23, 2001, 4:02 p.m.: 24 IR 3043)*

**675 IAC 14-4.2-36 Section R323.1.4; wood columns**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 36. Change SECTION 323.1.4, EXCEPTION to read as follows: EXCEPTION: Posts or columns separated or supported above the floor or finish grade by a minimum of one (1) inch of impervious moisture barrier material. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-36; filed May 23, 2001, 4:02 p.m.: 24 IR 3043)*

**675 IAC 14-4.2-37 Section R323.2; quality mark**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 37. Change in SECTION R323.2 “approved by an accreditation body” to “accepted by an accreditation body”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-37; filed May 23, 2001, 4:02 p.m.: 24 IR 3043)*

**675 IAC 14-4.2-37.5 Section R324.1; subterranean termite control**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 37.5. Delete “favorable to termite damage” and substitute “subject to very heavy termite damage”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-37.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2265)*

**675 IAC 14-4.2-38 Section R324.4; foam plastic protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 38. Delete SECTION R324.4. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-38; filed May 23, 2001, 4:02 p.m.: 24 IR 3044)*

**675 IAC 14-4.2-39 Section R326; accessibility**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 39. Delete SECTION R326. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-39; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

**675 IAC 14-4.2-40 Section 327; flood-resistant construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 40. Delete SECTION 327 FLOOD-RESISTANT CONSTRUCTION and substitute to read as follows: See local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-40; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

**675 IAC 14-4.2-41 Section 401.1; application**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 41. Delete the exceptions in SECTION 401.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-41; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

**675 IAC 14-4.2-42 Section R401.3; drainage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 42. Delete the first sentence of SECTION R401.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-42; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

**675 IAC 14-4.2-43 Section R402.1.2; wood treatment**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 43. Change in the first sentence of SECTION R402.1.2 “accredited agency” to “approved agency”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-43; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

**675 IAC 14-4.2-44 Section R403.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 44. Delete in the first sentence of SECTION R403.1 “continuous”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-44; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

**675 IAC 14-4.2-45 Table R403.1; minimum width of concrete or masonry footings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 45. Delete TABLE R403.1 and substitute to read as follows:

TABLE R403.1

MINIMUM WIDTH OF CONCRETE OR  
MASONRY FOOTINGS (inches)<sup>1</sup>

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FIRE PREVENTION AND BUILDING SAFETY COMMISSION

	LOAD-BEARING VALUE OF SOIL (psf)			
	1,500	2,000	3,000	≥4,000
<b>Conventional Light-Frame Construction</b>				
1-story	12	12	12	12
2-story	15	12	12	12
3-story	23	17	12	12
<b>4-Inch Brick Veneer over Light-Frame Construction or 8-inch Hollow Concrete Masonry</b>				
1-story	12	12	12	12
2-story	21	16	12	12
3-story	32	24	16	12
<b>8-Inch Solid Concrete or Masonry, or Fully Grouted Masonry</b>				
1-story	16	12	12	12
2-story	29	21	14	12
3-story	42	32	21	16

For SI: 1 inch = 25.4 mm, 1 psf = 0.0479 kN/m<sup>2</sup>.

<sup>1</sup>Where minimum footing width is 12 inches a single wythe of solid or fully grouted 12-inch nominal concrete masonry units is permitted to be used.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-45; filed May 23, 2001, 4:02 p.m.: 24 IR 3044)*

**675 IAC 14-4.2-45.3 Section R403.1.1; minimum size**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 45.3. In SECTION R403.1.1, delete the fifth sentence and substitute to read as follows: The minimum size of footings supporting piers and columns shall be in accordance with TABLE R403.2. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-45.3; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2265)*

**675 IAC 14-4.2-45.5 Section R403.1.2; continuous footings in seismic design categories D<sub>1</sub> and D<sub>2</sub>**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 45.5. Delete the title and text of SECTION R403.1.2 and substitute to read as follows: Footings in Seismic Design Category C<sub>1</sub>. In Seismic Design Category C<sub>1</sub>, as a minimum requirement, two (2) #4 bars shall be placed longitudinally in the bottom of the exterior footings. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-45.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3044)*

**675 IAC 14-4.2-45.6 Section R403.1.3; seismic reinforcing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 45.6. Delete SECTION R403.1.3. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-45.6; filed May 23, 2001, 4:02 p.m.: 24 IR 3044)*

**675 IAC 14-4.2-46 Section R403.1.3.1; foundations with stemwalls**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46. Delete SECTION R403.1.3.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-46; filed May 23,*

2001, 4:02 p.m.: 24 IR 3045)

**675 IAC 14-4.2-46.5 Section R403.1.3.2; slabs-on-ground with turned-down footings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46.5. Delete Section R403.1.3.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-46.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

**675 IAC 14-4.2-46.6 Section R403.1.4; minimum depth**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46.6. Change SECTION R403.1.4 to read as follows: Delete the second paragraph of SECTION R403.1.4 and substitute to read as follows: In Seismic Design Category C<sub>1</sub>, interior footings cast monolithically with a slab on grade shall extend to a depth of not less than 8 inches below the top of the slab or to the undisturbed ground or engineered fill whichever is greater. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-46.6; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

**675 IAC 14-4.2-46.8 Section R403.1.6; foundation anchorage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46.8. Make the following change to SECTION R403.1.6: Change the fourth sentence of the second paragraph to read as follows: Bolts shall be at least one-half (½) inch (thirteen (13) millimeters) in diameter and shall extend a minimum of seven (7) inches (one hundred seventy-eight (178) millimeters) into the core or cell of masonry units or concrete. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-46.8; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2265*)

**675 IAC 14-4.2-47 Section R403.1.7.3; foundation elevation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 47. Delete SECTION R403.1.7.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-47; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

**675 IAC 14-4.2-48 Section R403.1.7.4; alternate setback and clearances**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 48. Delete the second sentence of SECTION R403.1.7.4. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-48; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

**675 IAC 14-4.2-49 Section R403.1.8; foundations on expansive soils**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 49. Change SECTION R403.1.8 to read as follows: Foundation and floor slabs for buildings located on expansive soils shall be designed in accordance with the Indiana Building Code (675 IAC 13). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-49; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

**675 IAC 14-4.2-49.1 Section R403.1.8.1; expansive soils classifications**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 49.1. Change SECTION R403.1.8.1(4) by deleting “UBC Standard 18-1” and substitute “The Indiana Building Code (675 IAC 13)”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-49.1; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2265*)

**675 IAC 14-4.2-49.3 Table R403.2; size of footings supporting piers and columns**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 49.3. Add TABLE R403.2 to read as follows:

TABLE R403.2  
 SIZE OF FOOTINGS SUPPORTING PIERS AND COLUMNS

Spacing of Girder “S” <sup>1</sup>	Type of Loading <sup>2</sup>			Column Size Required <sup>3</sup>		Size of Plain Concrete Footing Required <sup>3</sup>
	A	B	C	Steel	Wood	
10’	5’-6”	---	---	3” Steel Pipe <sup>4</sup>	4” x 4”	2’ x 2’ x 8”
15’	4’-0”	---	---			
20’	---	---	---			
10’	8’-6”	5’-0”	---			
15’	6’-0”	4’-0”	---			
20’	4’-6”	---	---			
10’	12’-0”	9’-0”	8’-0”	3” Steel Pipe <sup>4</sup>	6” x 6”	4’ x 4’ x 16” <sup>5</sup>
15’	10’-0”	8’-0”	7’-0”			
20’	8’-0”	7’-0”	6’-0”			
10’	16’-0”	12’-6”	11’-0”			
15’	13’-6”	10’-6”	10’-0”			
20’	12’-0”	9’-6”	8’-0”			
10’	20’-0”	16’-0”	13’-6”	8” x 8”	4’3” x 4’3” x 17” <sup>5</sup>	
15’	17’-0”	13’-6”	11’-6”			
20’	15’-0”	12’-0”	10’-0”			

<sup>1</sup>The spacing “S” is the tributary load in the girder. It is found by adding the unsupported spans of the floor joists on each side which are supported by the girder and dividing by two (2).

<sup>2</sup>Figures under type of loading columns are the allowable girder spans.

Type A loading is for a girder supporting one (1) floor and ceiling.

Type B loading is for a girder supporting two (2) floors and one (1) ceiling.

Type C loading is for a girder supporting three (3) floors and one (1) ceiling.

<sup>3</sup>Required size of column is based on girder support from two (2) sides. Size of footing is based on allowable soil pressure of two thousand (2,000) pounds per square foot.

<sup>4</sup>Standard weight.

<sup>5</sup>Footing thickness is based on the use of plain concrete with an ultimate compressive strength of not less than two thousand (2,000) pounds per square inch at twenty-eight (28) days. If approved, the footing thickness may be reduced based on an engineered design utilizing higher strength concrete and/or reinforcement.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-49.3; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2265*)

**675 IAC 14-4.2-49.5 Figure R403.3(1); insulation placement for frost-protected footings in heated buildings**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 49.5. Amend the top drawing of Figure R403.3(1) by changing the “12 IN Min” vertical dimension from the top of slab to the bottom of the horizontal insulation to be “12 IN Min” from the top of final grade to the bottom of the horizontal insulation. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-49.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3045)*

**675 IAC 14-4.2-50 Section R403.3.3; termite damage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 50. Delete SECTION R403.3.3. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-50; filed May 23, 2001, 4:02 p.m.: 24 IR 3045)*

**675 IAC 14-4.2-51 Section R404.1; concrete and masonry foundation walls**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 51. Delete the last sentence of SECTION R404.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-51; filed May 23, 2001, 4:02 p.m.: 24 IR 3045)*

**675 IAC 14-4.2-52 Section R404.1.1; masonry foundation walls**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 52. Delete SECTION R404.1.1 and substitute to read as follows: Concrete masonry and clay foundation walls shall be constructed as set forth in TABLES R404.1.1(1), R404.1.1(2), R404.1.1(3), and R404.1.1(4); however, TABLE R404.1.1(1) may only be used in Seismic Category C<sub>1</sub> when the unbalanced fill is four (4) feet or less and TABLES R404.1.1(2), R404.1.1(3), and R404.1.1(4) shall be used when the unbalanced fill exceeds four (4) feet in Category C<sub>1</sub>. These tables shall also comply with the provisions of this section and the applicable provisions of SECTIONS R606, R607, and R608. Rubble stone masonry foundation walls shall be constructed in accordance with SECTIONS R404.1.8 and R606.2.2. Rubble stone masonry walls shall not be used in Seismic Design Category C<sub>1</sub>. Foundations constructed in Seismic Design Category C<sub>1</sub> shall be exempt from the seismic requirements of SECTION R606.

EXCEPTION: In Seismic Design Category C<sub>1</sub>, foundation walls not supporting masonry veneer may be in accordance with TABLE R404.1.1(1).

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-52; filed May 23, 2001, 4:02 p.m.: 24 IR 3045; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2266)*

**675 IAC 14-4.2-53 Section R404.1.2; concrete foundation walls**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 53. Delete SECTION R404.1.2 and substitute to read as follows: Concrete foundation walls shall be constructed as set forth in TABLES R404.1.1(1), R404.1.1(2), R404.1.1(3), and R404.1.1(4) and shall also comply with the provisions of this section and the applicable provisions of SECTION R402.2. In Seismic Design Category C<sub>1</sub>, TABLE R404.1.1(1) can be used only when the height of the unbalanced fill is four (4) feet or less.

EXCEPTION: In Seismic Design Category C<sub>1</sub>, foundation walls not supporting masonry veneer may be in accordance with TABLE R404.1.1(1).

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-53; filed May 23, 2001, 4:02 p.m.: 24 IR 3046; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2266)*

**675 IAC 14-4.2-53.7 Section R404.1.5; foundation wall thickness based on walls supported**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 53.7. Delete the text of section R404.1.5 and substitute to read: The thickness of concrete and masonry walls shall not be less than the thickness of the wall supported.

EXCEPTION: A foundation wall of at least eight (8) inches (two hundred three (203) millimeters) thickness shall be permitted:

1. Under brick veneered frame walls.
2. Under ten (10) inch (two hundred fifty-four (254) millimeter) wide cavity walls where the total height of the walls supported, including gables, is not more than twenty (20) feet (six thousand ninety-six (6,096) millimeters), provided the requirements of SECTIONS R404.1.1 and R404.1.2 are met.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-53.7; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2266)*

**675 IAC 14-4.2-54 Section R404.1.5.1; pier and curtain wall foundations**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 54. (a) Delete in the third line of SECTION R404.1.5.1 the word “diameter”.

(b) Change in item 5 of SECTION R404.1.5.1, “accepted” to “approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-54; filed May 23, 2001, 4:02 p.m.: 24 IR 3046; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-55 Section R404.2.1; wood grade**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 55. Delete the second and third sentences of SECTION R404.2.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-55; filed May 23, 2001, 4:02 p.m.: 24 IR 3046)*

**675 IAC 14-4.2-56 Section R404.4; insulating concrete form foundation walls**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 56. Delete the last sentence of SECTION R404.4. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-56; filed May 23, 2001, 4:02 p.m.: 24 IR 3046)*

**675 IAC 14-4.2-57 Section R404.4.7.2; termite hazards**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 57. Delete SECTION R404.4.7.2. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-57; filed May 23, 2001, 4:02 p.m.: 24 IR 3046)*

**675 IAC 14-4.2-58 Section R 405.2.3; drainage system**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 58. Change SECTION R405.2.3 to read as follows: In other than Group I soils, a sump shall be provided to drain the porous layer and footings. The sump pit shall be a minimum of eighteen (18) inches (four hundred fifty-seven (457) millimeters) in diameter or equivalent and a minimum of twenty-four (24) inches (six hundred ten (610) millimeters) below the bottom of the

basement floor. Where a porous layer of gravel, crushed stone, or coarse sand is used between the soil and the concrete floor slab, openings shall be made in the sump to allow drainage of that layer. The sump shall be capable of positive gravity or mechanical drainage to remove any accumulated water. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-58; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

**675 IAC 14-4.2-59 Section R406.2; concrete and masonry foundation waterproofing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 59. Change the first sentence of SECTION R406.2 to read as follows: Exterior foundation walls that retain earth and enclose habitable or usable spaces located below grade shall be waterproofed with a membrane extending from the top of the footing to the finished grade. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-59; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

**675 IAC 14-4.2-60 Section R407.3; structural requirement**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 60. Add in the first sentence of SECTION R407.3 between “the” and “bottom” “top and”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-60; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

**675 IAC 14-4.2-61 Section R408.2; openings for under-floor ventilation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 61. Make the following changes to SECTION R408.2: (a) Change Exception 1 to read as follows: Ventilation openings to the outdoors are not required if ventilation openings to the interior are provided.

(b) Amend Exception 5 as follows: delete “Section N1102.1.7” and substitute “Chapter 11 of this code”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-61; filed May 23, 2001, 4:02 p.m.: 24 IR 3046; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2267*)

**675 IAC 14-4.2-62 Section R408.3; access**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 62. Change SECTION R408.3 to read as follows: An access opening twenty-four (24) inches by eighteen (18) inches (six hundred ten (610) millimeters by four hundred fifty-seven (457) millimeters) shall be provided to the underfloor space. When the underfloor space access opening is through a wall, the opening shall be a minimum of twenty-four (24) inches (six hundred nine (609) millimeters) wide by sixteen (16) inches (four hundred six (406) millimeters) high with an areaway provided for access to the underfloor opening. The areaway shall be not less than twenty-four (24) inches (six hundred nine (609) millimeters) long parallel to the wall at the access opening by sixteen (16) inches (four hundred six (406) millimeters) wide perpendicular to the wall at the center of the access opening. The bottom of the areaway shall be below the threshold of the access opening. The underfloor access opening shall not be under a door. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-62; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

**675 IAC 14-4.2-63 Section R408.6; flood resistance**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 63. Delete the title and text of SECTION R408.6 and substitute to read as follows: Under-floor drainage. In other than

Group I soils, under-floor spaces shall be drained to prevent water accumulation by one (1) of the following methods:

1. The under-floor space shall be graded at a slope of not less than one (1) inch (twenty-five (25) millimeters) for each ten (10) feet (three thousand forty-eight (3,048) millimeters) to a gravity discharge or a sump pit having a minimum size of eighteen (18) inches (four hundred fifty-seven (457) millimeters) in diameter by twenty-four (24) inches (six hundred ten (610) millimeters) deep installed below the lowest point of the slope so that, in the event of excess water accumulation, a sump pump can be readily installed.
2. The under-floor space shall be graded at a slope of not less than one-half (½) inch (thirteen (13) millimeters) for each ten (10) feet (three thousand forty-eight (3,048) millimeters) to a gravity discharge or a sump pit having a minimum size of eighteen (18) inches (four hundred fifty-seven (457) millimeters) in diameter by twenty-four (24) inches (six hundred ten (610) millimeters) deep installed below the lowest point of the slope and not less than three (3) inches (seventy-six (76) millimeters) of granular material shall be placed between the ground surface and the vapor retarder so that, in the event of excess water accumulation, a sump pump can be readily installed.
3. The under floor-space shall comply with the requirements of SECTION R405.1.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-63; filed May 23, 2001, 4:02 p.m.: 24 IR 3047; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2267)*

**675 IAC 14-4.2-64 Section R502.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 64. Delete the last sentence of SECTION R502.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-64; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)*

**675 IAC 14-4.2-65 Section R502.1.4; prefabricated wood i-joists**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 65. Delete SECTION R502.1.4. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-65; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)*

**675 IAC 14-4.2-66 Section R502.2.1; decks**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 66. Delete in the third sentence of SECTION R502.2.1 “verified during inspection” and substitute “achieved”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-66; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)*

**675 IAC 14-4.2-67 Figure R502.2; floor construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 67. Add a note to the joist between the fireplace and the center girder to read as follows: TAIL JOIST - SEE SECTION R502.10. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-67; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)*

**675 IAC 14-4.2-67.5 Table R502.3.2(2); floor joists spans for common lumber species**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 67.5. Change Table R502.3.1(2) as follows: Footnote a to Table R502.3.1(2)

Revise “Footnote a” to “note” and relocate above “For SI”. Re-designate Footnote b to Footnote a.

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**675 IAC 14-4.2-68 Section R502.3.3; floor cantilevers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 68. Add SECTION R502.3.3 after SECTION R502.3.2 to read as follows:

**SECTION R502.3.3 FLOOR CANTILEVERS**

Floor cantilever spans shall not exceed the nominal depth of the wood floor joist.

EXCEPTION: Floor cantilevers constructed in accordance with TABLE R502.3.3 shall be permitted when supporting a light-frame bearing wall and roof only. The ratio of backspan to cantilever span shall be at least 3 to 1.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-68; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)*

**675 IAC 14-4.2-69 Table R502.3.3; cantilever spans for floor joists**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 69. Add TABLE R502.3.3 after SECTION R502.3.3 to read as follows:

TABLE R502.3.3

**CANTILEVER SPANS FOR FLOOR JOISTS**

**SUPPORTING LIGHT-FRAME EXTERIOR BEARING WALL AND ROOF ONLY<sup>a, b, c, f, g, h</sup>**

(Floor Live Load ≤ 40 psf, Roof Live Load ≤ 20 psf)

Member and Spacing	Maximum Cantilever Span (Uplift Force at Backspan Support in Lbs.) <sup>d, e</sup>											
	Ground Snow Load											
	≤20 psf			30 psf			50 psf			70 psf		
	Roof Width			Roof Width			Roof Width			Roof Width		
	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.
2 × 8 @ 12"	20" (177)	15" (227)		18" (209)								
2 × 10 @ 16"	29" (228)	21" (297)	16" (364)	26" (271)	18" (354)		20" (375)					
2 × 10 @ 12"	36" (166)	26" (219)	20" (270)	34" (198)	22" (263)	16" (324)	26" (277)			19" (356)		
2 × 12 @ 16"		32" (287)	25" (356)	36" (263)	29" (345)	21" (428)	29" (367)	20" (484)		23" (471)		
2 × 12 @ 12"		42" (209)	31" (263)		37" (253)	27" (317)	36" (271)	27" (358)	17" (447)	31" (348)	19" (462)	
2 × 12 @ 8"		48" (136)	45" (169)		48" (164)	38" (206)		40" (233)	26" (294)	36" (230)	29" (304)	18" (379)

For SI: 1 in. = 25.4 mm, 1 psf = 0.0479 kN/m<sup>2</sup>

Notes:

<sup>a</sup> Tabulated values are for clear-span roof supported solely by exterior bearing walls.

<sup>b</sup> Spans are based on No. 2 Grade lumber of douglas fir-larch, hem-fir, southern pine, and spruce-fir for repetitive (3 or more) members.

<sup>c</sup> Ratio of backspan to cantilever span shall be at least 3:1.

<sup>d</sup> Connections capable of resisting the indicated uplift force shall be provided at the backspan support.

<sup>e</sup> Uplift force is for a backspan to cantilever span ratio of 3:1. Tabulated uplift values are permitted to be reduced by multiplying by a factor equal to 3 divided by the actual backspan ratio provided (3/backspan ratio).

<sup>f</sup> See SECTION R301.2.2.7.1 for additional limitations on cantilevered floor joists for detached one and two family dwellings in Seismic Design Categories D1 and D2 and townhouses in Seismic Design Categories C, D1, and D2.

<sup>g</sup> A full-depth rim joist shall be provided at the cantilevered end of the joists.

<sup>h</sup> Linear interpolation shall be permitted for building widths and ground snow loads other than shown.

<sup>i</sup> Full depth solid blocking required at bearing points.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-69; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)

**675 IAC 14-4.2-69.5 Section R502.8.1; sawn lumber**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

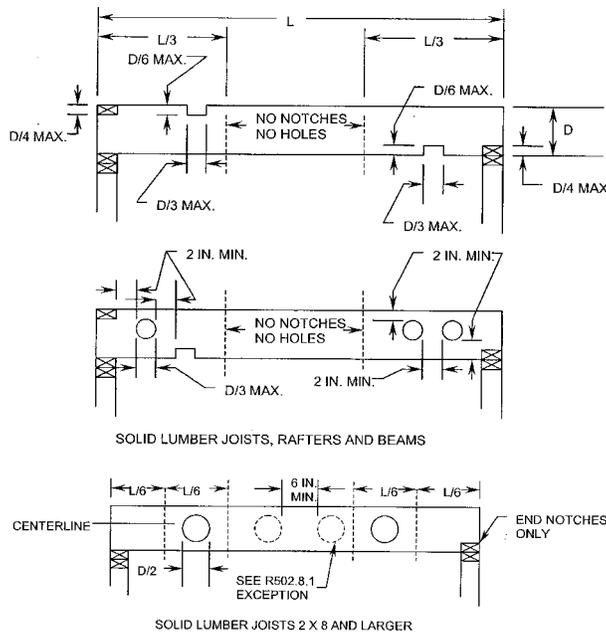
Sec. 69.5. Add an exception to SECTION R502.8.1 to read as follows: EXCEPTION: In 2 × 8 and larger solid lumber joists, holes up to fifty percent (50%) of the actual joist depth may be drilled at the center of the joist depth in the second and fifth sixths of the joist span. When the joist spans ninety percent (90%) or less of its maximum allowed span per TABLE R502.3.1(1) or R502.3.1(2), such holes may also be located in the center third of the joist span. Such hole shall be no closer than six (6) inches (one hundred fifty-two (152) millimeters) from any other hole. Except for end notches, no notches may be in the same half of the span as a hole allowed by this exception. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-69.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2267)

**675 IAC 14-4.2-69.6 Figure R502.8; cutting, notching, and drilling**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 69.6. Delete FIGURE R502.8 and insert FIGURE R502.8:



**FIGURE R502.8  
CUTTING, NOTCHING AND DRILLING**

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-69.6; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2267)

**675 IAC 14-4.2-70 Section R502.11.1; design**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 70. Delete the last sentence of SECTION R502.11.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-70; filed May 23, 2001, 4:02 p.m.: 24 IR 3048*)

**675 IAC 14-4.2-71 Section R502.11.3; alterations to trusses**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 25-4; IC 25-31; IC 36-7

Sec. 71. Change the first sentence of SECTION R502.11.3 to read as follows: Truss members and components shall not be cut, notched, spliced, or otherwise altered in any way without the acceptance of the change by an architect registered under IC 25-4 or a professional engineer registered under IC 25-31. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-71; filed May 23, 2001, 4:02 p.m.: 24 IR 3048; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2268*)

**675 IAC 14-4.2-72 Section R502.11.4; truss design drawings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 72. Delete SECTION R502.11.4 and substitute to read as follows: Truss design drawings shall be provided to the building official as required by the General Administrative Rules (675 IAC 12) for Class 1 structures or by local ordinance for Class 2 structures. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-72; filed May 23, 2001, 4:02 p.m.: 24 IR 3048*)

**675 IAC 14-4.2-73 Section R602.1; identification**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 73. Delete the last sentence of SECTION R602.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-73; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

**675 IAC 14-4.2-73.5 Table R602.3(1); fastener schedule for structural members**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 73.5. In Description of Building Elements of TABLE R602.3(1), change “Double top plates, minimum forty-eight (48) inch offset of end joints, face nail in lapped area” to read: Double top plates, minimum twenty-four (24) inch (six hundred ten (610) millimeters) offset of end joints, face nail in lapped area. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-73.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2268*)

**675 IAC 14-4.2-74 Figure R602.3(1); typical wall, floor, and roof framing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 74. Change the note in FIGURE R602.3(1) stating “FOR BLOCKING AND BRIDGING - SEE SECTION R502.5” to read “FOR BLOCKING AND BRIDGING—SEE SECTION R502.7.1”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-74; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

**675 IAC 14-4.2-75 Figure R602.3(2); framing details**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 75. Change the note in FIGURE R 602.3(2) stating "CUT PLATE TIED WITH 25 GAGE STEEL ANGLE OR EQUIVALENT" to read "CUT PLATE TIED WITH 24 GAGE STEEL ANGLE A MINIMUM OF 1½" X 1½" WITH 8 - 16d NAILS AT EACH END OR EQUIVALENT". (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-75; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

**675 IAC 14-4.2-75.5 Table R602.3.1; stud spacing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 75.5. (a) Change the title of Table 602.3.1 to read as follows:

Table R602.3.1 Maximum Allowable Length of Wood Wall Studs Exposed to Wind Speeds of 100 MPH or Less<sup>b, c</sup>.

(b) Change Table R602.3.1 as follows:

1. Change in the Supporting one floor and a roof >10 line, in the 16, 12, and 8 on-center-spacing (inches) columns "2 x 6" to "2 x 4".
2. Change in the Supporting two floors and a roof >10 line, in the 12, and 8 on-center-spacing [*sic., on-center-spacing*] (inches) columns "2 x 6" to "2 x 4".

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-75.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

**675 IAC 14-4.2-76 Section R602.6.1; drilling and notching of top plate**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 76. Change SECTION R602.6.1 to read as follows: When piping or ductwork is placed in or partly in an exterior wall or interior, braced or load-bearing wall, necessitating the drilling or notching of the top plate by more than fifty percent (50%) of its width, a galvanized metal tie not less than fifty-four thousandths (0.054) inch thick (one and thirty-seven hundredths (1.37) millimeters) (sixteen (16) gage) and one and five-tenths (1.5) inches (thirty-eight (38) millimeters) wide shall be fastened to a plate across and to each side of the opening with not less than eight 16d nails. See Figure R602.6.1.

EXCEPTION: When the entire side of the wall with the notch or drilling is covered by wood structural panel sheathing.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-76; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

**675 IAC 14-4.2-77 Figure R602.6.1; top plate framing to accommodate piping**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 77. Change FIGURE R602.6.1 as follows: (a) Change the note stating "NOTCH GREATER THAN 50 PERCENT OF THE PLATE WIDTH" to read "DRILLING OR NOTCHING GREATER THAN 50 PERCENT OF THE PLATE WIDTH".

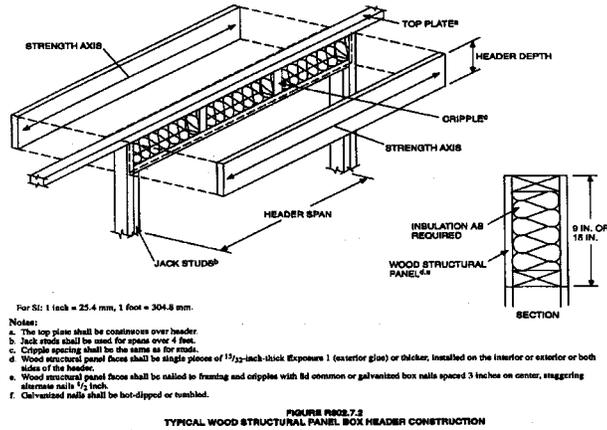
(b) Change the note stating "16 GAGE (0.054 IN.) AND 1.5 IN. WIDE METAL TIE ACROSS AND TO EACH SIDE OF THE NOTCH WITH 6-16d NAILS EACH SIDE" to read "16 GAGE (0.059 IN.) AND 1.5 IN. WIDE METAL TIE ACROSS AND TO EACH SIDE OF EACH PLATE OF THE DRILLING OR NOTCHING WITH 8-16d NAILS EACH SIDE". (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-77; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

**675 IAC 14-4.2-77.5 Figure R602.7.2; typical wood structural panel box header construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 77.5. Amend Figure R602.7.2 to read as follows:



(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-77.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3049)

**675 IAC 14-4.2-77.6 Section R602.7; headers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 77.6. Amend SECTION R602.7, Headers by adding a section to read as follows: SECTION R602.7.3, Location. Headers less than two (2) inches (fifty-one (51) millimeters) in width that span more than eight (8) feet (two thousand four hundred thirty-eight (2,438) millimeters) or headers less than four (4) inches (one hundred two (102) millimeters) in width that span more than sixteen (16) feet (four thousand eight hundred seventy-seven (4,877) millimeters) shall be located at the top of the wall immediately below the top plate.

EXCEPTION: When a minimum of three-eighths ( $\frac{3}{8}$ ) inch (ten (10) millimeter) structural wood sheathing is applied from the bottom of the header to the top of the wall and all joints on structural members are fastened in accordance with TABLE R602.3(1) or TABLE R602.3(2).

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-77.6; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2268)

**675 IAC 14-4.2-77.7 Section R602.8.1; materials**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 77.7. Change the second sentence of SECTION R602.8.1 to read as follows: Faced batts or blankets of mineral wool or glass fiber or other approved materials installed in such a manner as to be securely retained in place shall be permitted as an acceptable fire block. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-77.7; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2268)

**675 IAC 14-4.2-78 Table R602.10.3; wall bracing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 78. Change footnote (a) in TABLE R602.10.3 by deleting “Section 1615 of the International Building Code” to read “the Indiana Building Code 675 IAC 13”. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-78; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)

**675 IAC 14-4.2-78.5 Table R603.6(5); header to king stud connection requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 78.5. Change Table R603.6(5) footnote d as follows: <sup>d</sup>12-No. 8 screws can be replaced by an up-lift connector which has a capacity of the number of screws multiplied by 164 pounds (e.g., 12-No. 8 screws can be by an up-lift connector whose capacity exceeds 12 by 164 pounds = 1,968 pounds). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-78.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

**675 IAC 14-4.2-79 Section R604.1; identification and grade**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 79. Delete from the last sentence of SECTION R604.1 “or certificate of inspection issued by an approved agency”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-79; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

**675 IAC 14-4.2-80 Section R605.1; identification and grade**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 80. Delete from the first sentence of SECTION R605.1 “or certificate of inspection issued by an approved agency”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-80; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

**675 IAC 14-4.2-81 Section R606.1.1; professional registration not required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 81. Delete SECTION R606.1.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-81; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

**675 IAC 14-4.2-81.2 Section R606.2; thickness of masonry**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 81.2. Add a second sentence to read as follows: The nominal thickness of foundation walls shall conform to the requirements of SECTION R404. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-81.2; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2268*)

**675 IAC 14-4.2-81.3 Section R606.2.1; minimum thickness**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 81.3. Delete the last sentence of SECTION R606.2.1 and substitute to read as follows: The minimum thickness of masonry foundation walls shall comply with SECTION R404. Masonry walls, except masonry foundation walls, shall be laterally supported in either the horizontal or vertical direction at intervals as required by SECTION R606.8. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-81.3; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2269*)

**675 IAC 14-4.2-81.7 Section R606.10; anchorage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 81.7. Add an exception to SECTION R606.10 to read as follows: EXCEPTION: Masonry foundation walls in Seismic Design Category C<sub>1</sub> are exempt from the requirements of Figure R606.10(3) and shall comply with the requirements of SECTION R404. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-81.7; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2269)*

**675 IAC 14-4.2-82 Section R606.11; seismic requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 82. Make the following changes to SECTION R606.11:

1. Add, at the end of the first sentence, "C<sub>1</sub>" between "C" and "D<sub>1</sub>".

2. Add an exception to read as follows: EXCEPTION: Masonry foundation walls in Seismic Design Category C and C<sub>1</sub> are exempt from the requirements of Figure R606.10(3) and shall comply with SECTION R404.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-82; filed May 23, 2001, 4:02 p.m.: 24 IR 3050; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2269)*

**675 IAC 14-4.2-83 Section R606.11.2; seismic design Category C**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 83. (a) Change the title and text of SECTION R606.11.2 to read as follows: Seismic Design Category C and C<sub>1</sub>. Structures located in Seismic Design Category C and C<sub>1</sub> shall comply with the requirements of this section.

(b) Add an exception to read as follows: EXCEPTION: Masonry foundation walls in Seismic Design Category C and C<sub>1</sub> are exempt from the requirements of Figure R606.10(3) and shall comply with SECTION R404. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-83; filed May 23, 2001, 4:02 p.m.: 24 IR 3050; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2269)*

**675 IAC 14-4.2-84 Figure R606.10(2); requirements for reinforced grouted masonry construction in Seismic Design Category C**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 84. Add to the end of the title to FIGURE R606.10(2) "and C<sub>1</sub>". *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-84; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)*

**675 IAC 14-4.2-84.5 Section R607.1.2; masonry in seismic design categories A, B, C and C<sub>1</sub>**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 84.5. Change SECTION R607.1.2 to read as follows: R607.1.2 Masonry in Seismic Design Categories A, B, C, and C<sub>1</sub>. Mortar for masonry serving as the lateral-force-resisting system in Seismic Design Categories A, B, C, and C<sub>1</sub> shall be Type M, S or N mortar. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-84.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)*

**675 IAC 14-4.2-85 Section R609.1.5; cleanouts**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 85. Change SECTION R609.1.5 to read as follows: Cleanouts shall be provided as specified in this section. The cleanouts shall be sealed before grouting. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-85; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)*

**675 IAC 14-4.2-85.5 Section R609.2.2; grout spaces**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 85.5. Change in SECTION R609.2.2 the word “course” to “coarse”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-85.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

**675 IAC 14-4.2-86 Section R609.4.1; construction**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 86. Delete in SECTION R609.4.1, item number 4, the following: “and special inspection during grouting shall be required”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-86; filed May 23, 2001, 4:02 p.m.: 24 IR 3051*)

**675 IAC 14-4.2-87 Section R611.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 87. Delete the last sentence of SECTION R611.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-87; filed May 23, 2001, 4:02 p.m.: 24 IR 3051*)

**675 IAC 14-4.2-88 Section R702.4.2; gypsum backer**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 88. Change SECTION R702.4.2 to read as follows: Gypsum board utilized as the base or backer board for adhesive application of ceramic tile or other nonabsorbent finish material shall conform with ASTM C630 or C1178. Water-resistant gypsum backing board shall be permitted to be used on ceilings where framing spacing does not exceed twelve (12) inches (three hundred five (305) millimeters) on center for one-half (½) inch thick (twelve and seven-tenths (12.7) millimeters) or sixteen (16) inches (four hundred six (406) millimeters) for five-eighths (⅝) inch thick (fifteen and nine-tenths (15.9) millimeters) gypsum board. Water-resistant gypsum board shall not be installed over a vapor retarder or in a shower or tub compartment. All cut or exposed edges, including those at wall intersections, shall be sealed as recommended by the manufacturer. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-88; filed May 23, 2001, 4:02 p.m.: 24 IR 3051*)

**675 IAC 14-4.2-89 Section R 703.4; attachments**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89. Change SECTION R703.4 to read as follows: All wall coverings shall be securely fastened in accordance with Table R703.4 or with other approved aluminum, stainless steel, zinc-coated, or other approved corrosion-resistive fasteners. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89; filed May 23, 2001, 4:02 p.m.: 24 IR 3051*)

**675 IAC 14-4.2-89.2 Table R703.4; weather-resistant siding attachment and minimum thickness**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.2. Change TABLE R703.4 as follows:

1. In the column titled “Sheathing paper required”, change “NO” to “YES” at all three (3) places for Horizontal Aluminum; change the “No” to “Yes” for Vinyl Siding and change (13) to (m) for Brick Veneer, Concrete Masonry veneer.
2. Change footnote m to read as follows: For masonry veneer, a weather-resistant sheathing paper is not required over water-

repellent sheathing materials applied according to manufacturer's instructions and a three-fourths (¾) inch (nineteen (19) millimeter) air space is provided. When the three-fourths (¾) inch (nineteen (19) millimeter) space is filled with mortar, a weather-resistant sheathing paper is required over the sheathing.

3. In the column titled "Sheathing paper required", add a footnote designation "s" at all three (3) places for Horizontal Aluminum and for Vinyl Siding.

4. Add a new footnote "s" to read as follows: For horizontal aluminum and vinyl siding, a weather-resistant sheathing paper is not required over water-repellent sheathing materials applied according to the manufacturer's instruction.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.2; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2269)*

**675 IAC 14-4.2-89.5 Section R703.7; stone and masonry veneer, general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.5. Change in SECTION R703.7 to read as follows: R703.7 Stone and masonry veneer, general. All stone and masonry veneer shall be installed in accordance with this chapter, Table R703.4, Figure R703.7 or the alternate masonry veneer wall details, Figure R703.3A. Such veneers installed over a backing of wood or cold-formed steel shall be limited to the first story above grade and shall not exceed 5 inches (127 mm) in thickness.

EXCEPTIONS: 1. In Seismic Design Categories A and B, exterior masonry veneer with a backing of wood or cold-formed steel framing shall not exceed 30 feet (9,144 mm) in height above the noncombustible foundation, with an additional 8 feet (2,348 mm) permitted for ends.

2. In Seismic Design Categories C and C<sub>1</sub>, exterior masonry veneer with a backing of wood or cold-formed steel framing shall not exceed 30 feet (9,144 mm) in height above the noncombustible foundation, with an additional 8 feet (2,348 mm) permitted for gabled ends. In other than the topmost story, the length of bracing shall be 1.5 times the length otherwise required in Chapter 6.

3. Where type S mortar is used throughout, the alternate masonry veneer wall detail Figure R703.7A may be used.

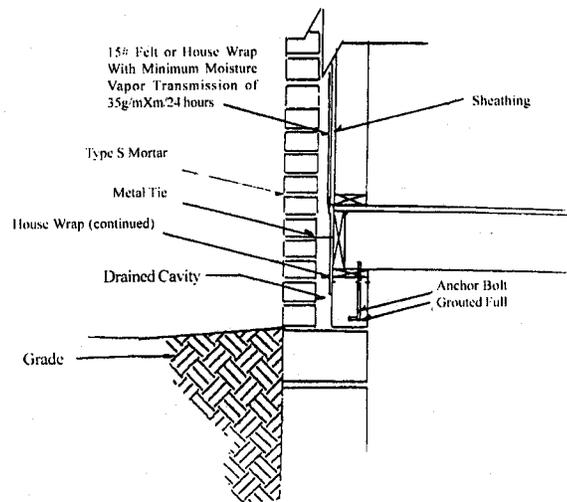


Figure R703.7A  
ALTERNATE MASONRY VENEER WALL DETAILS

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3051)*

**675 IAC 14-4.2-89.6 Section R703.7.4.3; mortar or grout filled**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.6. Amend SECTION R703.7.4.3 by deleting “1 inch (25.4 mm)” and inserting “three-fourths ( $\frac{3}{4}$ ) inch (nineteen (19) millimeters)”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.6; filed May 23, 2001, 4:02 p.m.: 24 IR 3051; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2269*)

**675 IAC 14-4.2-89.7 Section R703.3.5; flashing (Repealed)**

Sec. 89.7. (*Repealed by Fire Prevention and Building Safety Commission; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2278*)

**675 IAC 14-4.2-89.8 Section R703.7.6; weepholes**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.8. Delete the title and text of SECTION R703.7.6 and substitute as follows: R703.7.6 Drained cavity. The three-fourths ( $\frac{3}{4}$ ) inch (nineteen (19) millimeters) air cavity shall be drained to the exterior of the structure at intervals of not more than thirty-three (33) inches (eight hundred thirty-eight (838) millimeters) on center. Each drain shall be not less than three-sixteenths ( $\frac{3}{16}$ ) inch (four and eight-tenths (4.8) millimeters) in diameter, located immediately above the flashing. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.8; filed May 23, 2001, 4:02 p.m.: 24 IR 3052; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2270*)

**675 IAC 14-4.2-89.9 Sections R703.7.2.1; support by a steel angle; R703.7.2.2; support by roof construction; and R703.7.4.2; air space**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.9. (a) Delete SECTION R703.7.2.1.

(b) Delete SECTION R703.7.2.2.

(c) Change the text of SECTION R703.7.4.2 to read as follows: The veneer shall be separated from the sheathing by an air space of not less than three-fourths ( $\frac{3}{4}$ ) inch (nineteen (19) millimeters) but not more than four and one-half ( $4\frac{1}{2}$ ) inches (one hundred fourteen (114) millimeters). The weather-resistant sheathing paper as required by SECTION R703.2 is not required over water-repellent sheathing materials installed according to manufacturer’s instructions. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.9; filed May 23, 2001, 4:02 p.m.: 24 IR 3052; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2270*)

**675 IAC 14-4.2-89.10 Section R703.7.2.2; support by roof construction (Repealed)**

Sec. 89.10. (*Repealed by Fire Prevention and Building Safety Commission; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2278*)

**675 IAC 14-4.2-89.11 Section R703.8; flashing (Repealed)**

Sec. 89.11. (*Repealed by Fire Prevention and Building Safety Commission; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2278*)

**675 IAC 14-4.2-90 Section R703.8; flashing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 90. Delete in SECTION R703.8, item number 1, “approved by the building official” and substitute “allowed by the manufacturer’s installation instructions”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-90; filed May 23, 2001,*

4:02 p.m.: 24 IR 3052)

**675 IAC 14-4.2-91 Section R802.1; identification and grade**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 91. Delete the last sentence of SECTION R802.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-91; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

**675 IAC 14-4.2-92 Section R802.10.1; truss design drawings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 92. Delete SECTION R802.10.1 and substitute to read as follows: Truss design drawings shall be provided to the building official as required by the General Administrative Rules (675 IAC 12) for Class 1 structures or by local ordinance for Class 2 structures. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-92; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

**675 IAC 14-4.2-93 Section R802.10.2; design**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 93. Delete the last sentence of SECTION R802.10.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-93; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

**675 IAC 14-4.2-94 Section R802.10.3; bracing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 94. Change the first sentence of SECTION R802.10.3 to read as follows: Trusses shall be braced to prevent rotation and to provide lateral stability. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-94; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

**675 IAC 14-4.2-95 Section R802.10.4; alterations to trusses**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 25-4; IC 25-31; IC 36-7

Sec. 95. Change the first sentence of SECTION R802.10.4 to read as follows: Truss members shall not be cut, notched, drilled, spliced, or otherwise altered in any way without the acceptance of an architect registered under IC 25-4 or a professional engineer registered under IC 25-31, the manufacturer of the truss members, or approved by the building official. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-95; filed May 23, 2001, 4:02 p.m.: 24 IR 3052; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2270*)

**675 IAC 14-4.2-96 Section R802.11; roof tie-down**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 96. (a) Change the title to SECTION R802.11 to read as follows: R802.11 Roof tie-down. R802.11.1 Roof tie-down.

(b) Change the last sentence of SECTION R802.11.1 to read as follows: The base wind uplift pressure on roof assemblies shall be determined using an effective wind area of one hundred (100) square feet (nine and three-tenths (9.3) m<sup>2</sup>) and Zone 1 in TABLE R301.2(2) and then adjusted for height and exposure as required by TABLE R301.2(3) to determine the actual site specific

wind uplift pressure. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-96; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

**675 IAC 14-4.2-96.2 TABLE R802.11**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 96.2. In footnote (d), delete “Figure R301.2(4)” and substitute “TABLE R301.2(1)”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-96.2; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2270*)

**675 IAC 14-4.2-97 Section R803.2.1; identification and grade**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 97. Delete from the first sentence of SECTION R803.2.1 “or certificate of inspection issued by an approved agency”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-97; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

**675 IAC 14-4.2-97.5 Section R806.1; ventilation required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 97.5. Add an exception to Section R806.1 to read as follows: EXCEPTION: Mechanical ventilation is permitted provided the following conditions are met:

1. The installation complies with manufacturers’ instructions.
2. A humidistat is included with the installation.
3. An ammeter or equivalent device is installed in a readily visible location.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-97.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2270*)

**675 IAC 14-4.2-97.9 Section R808.1; combustible insulation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 97.9. In SECTION R808.1, delete “Section N1101.3” and substitute “Chapter 11 of this code”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-97.9; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2270*)

**675 IAC 14-4.2-98 Section R903.4.1; overflow drains and scuppers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 98. Delete the last paragraph of SECTION R903.4.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-98; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

**675 IAC 14-4.2-99 Section R904.3; material specifications and physical characteristics**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 99. Delete the last sentence of SECTION R904.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-99; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

**675 IAC 14-4.2-100 Section R907.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 100. Change SECTION R907.1 to read as follows: Materials and methods of application used for recovering or replacing an existing roof shall comply with the requirements of this chapter. Roof coverings shall be designed and installed in accordance with this code and the approved manufacturer's installation instructions such that the roof covering shall serve to protect the building or structure.

EXCEPTION: Reroofing shall not be required to meet the minimum design slope requirement of one-fourth (1/4) vertical in twelve (12) units horizontal (two percent (2%) slope) in SECTION R905 for roofs that provide positive roof drainage. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-100; filed May 23, 2001, 4:02 p.m.: 24 IR 3053)

**675 IAC 14-4.2-101 Section R907.3; recovering versus replacement**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 101. Change in SECTION R907.3, item number 3, "two" to "three". (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-101; filed May 23, 2001, 4:02 p.m.: 24 IR 3053)

**675 IAC 14-4.2-102 Section R1001.6; termination**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

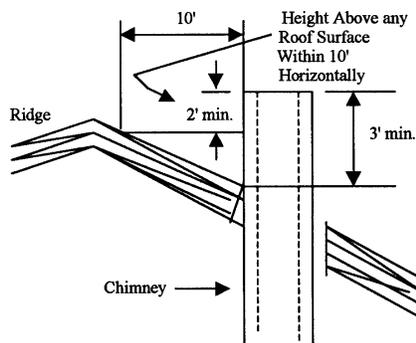
Sec. 102. Add in SECTION R1001.6 the following: (a) Add "highest" after "the" and before "point". (b) Add a paragraph to the end of SECTION R1001.6 to read: See FIGURE R1001.6. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-102; filed May 23, 2001, 4:02 p.m.: 24 IR 3053)

**675 IAC 14-4.2-103 Figure R1001.6; chimney termination**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 103. Add FIGURE R1001.6 as follows:

FIGURE R1001.6  
 Chimney Termination



(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-103; filed May 23, 2001, 4:02 p.m.: 24 IR 3053)

**675 IAC 14-4.2-104 Section R1001.6.1; spark arrestors**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 104. Add SECTION R1001.6.1 after SECTION R1001.6 to read as follows: R1001.6.1 Spark arrestors. When a spark arrestor is installed on a masonry chimney, the spark arrestor shall meet all of the following requirements:

1. The net-free area of the arrestor shall be not less than four (4) times the net-free area of the outlet of the chimney flue it serves.
2. The arrestor screen shall have heat and corrosion resistance equivalent to nineteen (19) gage galvanized steel or twenty-four (24) gage stainless steel.
3. Openings shall not permit the passage of spheres having a diameter larger than one-half ( $\frac{1}{2}$ ) inch nor block the passage of spheres having diameter of less than three-eighths ( $\frac{3}{8}$ ) inch.
4. The spark screen shall be accessible for cleaning and the screen or chimney cap shall be removable to allow for cleaning of the chimney flue.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-104; filed May 23, 2001, 4:02 p.m.: 24 IR 3054)*

**675 IAC 14-4.2-105 Section R1003.3; seismic reinforcing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 105. Change the first sentence of SECTION R1003.3 to read as follows: Masonry or concrete chimneys in Seismic Design Category C<sub>1</sub> shall be reinforced. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-105; filed May 23, 2001, 4:02 p.m.: 24 IR 3054)*

**675 IAC 14-4.2-105.5 Section R1003; seismic anchorage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 105.5. Change SECTION R1003.4 by deleting D<sub>1</sub> and D<sub>2</sub> and substituting C<sub>1</sub>. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-105.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3054)*

**675 IAC 14-4.2-106 Section R1005.1; exterior air**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 106. Delete in SECTION R1005.1 “unless the room is mechanically ventilated and controlled so that the indoor pressure is neutral or positive.”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-106; filed May 23, 2001, 4:02 p.m.: 24 IR 3054)*

**675 IAC 14-4.2-107 Chapter 11; energy efficiency**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 107. Delete the text of Chapter 11 in its entirety and substitute the following: SECTION N1101; GENERAL N1101.1 Scope. This chapter sets forth energy-efficiency requirements for the design and construction of buildings regulated by this code.

EXCEPTION: Provided that they are separated by building envelope assemblies from the remainder of the building, portions of the building that do not enclose conditioned space shall be from the building envelope provisions but shall comply with the provisions for building mechanical and service water systems.

N1101.2 Compliance. Compliance with this chapter shall be demonstrated by meeting the requirements of the applicable sections

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and tables of SECTIONS N1101, N1102, N1104, and N1105 of this chapter. Compliance with SECTION N1103 or N1106 is an alternative to compliance with SECTION N1102. Where applicable, provisions are based on the climate zone where the building is located as set forth in FIGURE 11-1 below.



FIGURE 11-1

N1101.2.1 Eligible buildings. Compliance for detached one (1) and two (2) family dwellings and for townhouses shall be demonstrated by meeting the requirements of subsection N1101.2.

N1101.3 Materials and equipment. Materials and equipment shall be identified as complying with the provisions of this chapter. Materials and equipment shall be listed and labeled for their intended use and shall be installed in accordance with the manufacturer’s installation instructions.

N1101.3.1 Insulation. The thermal resistance (R-value) shall be indicated on all insulation and the insulation installed such that the R-value can be verified during inspection, or evidence of compliance of the installed R-value shall be provided at the job site by the insulation installer.

N1101.3.2 Fenestration. The U-factor of fenestration shall be determined in accordance with NFRC 100 by an accredited, independent laboratory and labeled and certified by the manufacturer. The solar heat gain coefficient (SHGC) of fenestration shall be determined in accordance with NFRC 200 by an accredited, independent laboratory and labeled and certified by the manufacturer.

N1101.3.2.1 Default fenestration performance. When a manufacturer has not determined a fenestration product’s U-factor in accordance with NFRC 100, compliance shall be determined by assigning such products a default U-factor from TABLES 11-1 and 11-2. When a manufacturer has not determined a fenestration product’s SHGC in accordance with NFRC 200, compliance shall be determined by assigning such products a default SHGC from TABLE 11-3.

TABLE 11-1

U-FACTOR DEFAULT TABLE FOR WINDOWS, GLAZED DOORS, AND SKYLIGHTS

FRAME MATERIAL AND PRODUCT TYPE <sup>a</sup>	SINGLE GLAZED	DOUBLE GLAZED
Metal without thermal break		
Operable (including sliding and swinging glass doors)	1.27	0.87
Fixed	1.13	0.69

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Garden window	2.60	1.81
Curtain wall	1.22	0.79
Skylight	1.98	1.31
Site-assembled sloped/overhead glazing	1.36	0.82
Metal with thermal break		
Operable (including sliding and swinging glass doors)	1.08	0.65
Fixed	1.07	0.63
Curtain wall	1.11	0.68
Skylight	1.89	1.11
Site-assembled sloped/overhead glazing	1.25	0.70
Reinforced vinyl/metal clad wood		
Operable (including sliding and swinging glass doors)	0.90	0.57
Fixed	0.98	0.56
Skylight	1.75	1.05
Wood/vinyl/fiberglass		
Operable (including sliding and swinging glass doors)	0.89	0.55
Fixed	0.98	0.56
Garden window	2.31	1.61
Skylight	1.47	0.84

<sup>a</sup>Glass block assemblies with mortar but without reinforcing or framing shall have a U-factor of 0.60.

TABLE 11-2  
U-FACTOR DEFAULT TABLE FOR NONGLAZED DOORS

DOOR TYPE	WITH FOAM CORE	WITHOUT FOAM CORE
Steel doors (1.75 inches thick)	0.35	0.60
	WITHOUT STORM DOOR	WITH STORM DOOR
Wood doors (1.75 inches thick)		
Panel with 0.438-inch panels	0.54	0.36
Hollow core flush	0.46	0.32
Panel with 1.125-inch panels	0.39	0.28
Solid core flush	0.40	0.26

For SI: 1 inch = 25.4 mm.

TABLE 11-3  
SHGC DEFAULT TABLE FOR FENESTRATION

PRODUCT DESCRIPTION	SINGLE GLAZED				DOUBLE GLAZED			
	Clear	Bronze	Green	Gray	Clear + Clear	Bronze + Clear	Green + Clear	Gray + Clear
Metal frames								
Operable	0.75	0.64	0.62	0.61	0.66	0.55	0.53	0.52
Fixed	0.78	0.67	0.65	0.64	0.68	0.57	0.55	0.54
Nonmetal frames								
Operable	0.63	0.54	0.53	0.52	0.55	0.46	0.45	0.44
Fixed	0.75	0.64	0.62	0.61	0.66	0.54	0.53	0.52

N1101.3.2.2 Air leakage. The air leakage of prefabricated fenestration shall be determined by the manufacturer. Alternatively, the fenestration shall be installed in accordance with the maximum allowable rates in TABLE 11-4.

EXCEPTION: Site-constructed windows and doors sealed in accordance with SECTION N1101.3.2.2.1.

TABLE 11-4  
ALLOWABLE AIR FILTRATION RATES<sup>a</sup>

WINDOWS (cfm per square foot of window area)	DOORS (cfm per square foot of door area)	
0.3 <sup>b, c</sup>	Sliders 0.3	Swinging 0.5

For SI: 1 cfm/ft<sup>2</sup> = 0.00508 m<sup>3</sup>/ (s·m<sup>2</sup>).

<sup>a</sup>When tested in accordance with ASTM E283.

<sup>b</sup>See AAMA/WDMA 101/I.S. 2.

<sup>c</sup>See ASTM D4099.

N1101.3.2.2.1 Caulking and sealants. Exterior joints, seams, or penetrations in the building envelope that are sources of air leakage shall be sealed with caulking materials, closed with gasketing systems, taped, or covered with moisture vapor-permeable house-wrap. Sealing materials spanning joints between dissimilar construction materials shall allow for differential expansion and contraction of the construction materials. This includes sealing around tubs and showers, at the attic and crawlspace panels, at recessed lights, and around all plumbing and electrical penetrations. These are openings located in the building envelope between conditioned space and unconditioned space or between the conditioned space and the outside.

SECTION N1102 COMPLIANCE BY PRESCRIPTIVE SPECIFICATIONS ON INDIVIDUAL COMPONENTS

N1102.1 Thermal performance criteria. The minimum required insulation R-value or maximum required U-factor for each element in the building thermal envelope (fenestration, roof/ceiling, opaque wall, floor, slab edge, crawlspace wall, and basement wall) shall be in accordance with criteria in TABLE 11-5.

TABLE 11-5  
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENTS<sup>a</sup>  
78% AFUE or 6.8 HSPF and 10 SEER

REGION See Figure 11-1	GLAZING U-VALUE	SKYLIGHT U-VALUE <sup>b</sup>	CEILING R-VALUE	WALL R-VALUE <sup>c</sup>	FLOOR R-VALUE <sup>d</sup>	BASEMENT WALL R-VALUE	SLAB PERIMETER R-VALUE/DEPTH	CRAWLSPACE WALL R-VALUE <sup>f</sup>
North	.35	0.60	30	15 plus 1	25	13 / 7 ft.	10 / 4 ft.	7 / 3.2 ft.
Central	.45	0.60	30	13 plus 1	25	10 / 7 ft.	10 / 4 ft.	10 / 2.7 ft.
South	.45	0.60	30	13 plus 1	19	7 / 7 ft.	7 / 3 ft.	7 / 2.7 ft.
Ohio River	.45	0.60	30	13	19	7 / 4 ft.	3.5 / 2 ft.	3 / 2.2 ft.

<sup>a</sup>R-values are minimums. U-factors and SHGC are maximums. R-19 insulation shall be permitted to be compressed except as noted. The glazing U-factors are for windows only. The default U-factors for doors are in TABLES 11-1 and 11-2. The maximum door U-values to be allowed with this table are as follows: main exit, 0.54; other exit doors, 0.34; sliding glass doors, French doors, and atrium doors, 0.55.

<sup>b</sup>Skylights are glazed fenestration less than 60 degrees from horizontal.

<sup>c</sup>Cavity insulation plus sheathing (wood frame walls only). Steel frame walls require the installation of an exterior insulated sheathing in accordance with SECTION N1102.1.12.

<sup>d</sup>Or insulation sufficient to fill the cavity, R-19 minimum.

<sup>e</sup>Box or rim joist cavity spaces must be insulated R-22 minimum, entire exterior perimeter.

<sup>f</sup>The insulation shall be installed from the top of the slab to the required depth, horizontally or vertically, or a combination of both, until the required depth is achieved.

N1102.1.1 Exterior walls. The minimum required R-value in TABLES 11-5 shall be met by the sum of the R-values of the insulation materials installed in framing cavities and/or sheathing applied and not by framing, drywall, or exterior siding materials. Insulation separated from the conditioned space by a vented space shall not be counted towards the required R-value.

N1102.1.1.1 Mass walls. For purposes of this section, the following definitions apply: Mass walls with exterior insulation position are those that have the entire effective mass layer interior to an insulation layer. Mass walls with integral insulation position are those that have either insulation and mass materials well mixed as in wood (logs) or substantially equal amounts of mass material on the

interior and exterior of insulation as in concrete masonry units with insulated cores or masonry cavity walls. Mass walls with interior insulation position are those that have the mass material located exterior to the insulating material.

Mass walls shall be permitted to meet the mass wall criteria in TABLE 11-6 based on the insulation position and the climate zone where the building is located. Other mass walls shall meet the frame wall criteria for the building type and the climate zone where the building is located based on the sum of interior and exterior insulation.

Mass walls not meeting either of the above descriptions for exterior or integral positions shall meet the requirements for other mass walls in TABLE 11-6. The R-value for a solid concrete wall with a thickness of four (4) inches (one hundred two (102) millimeters) or greater is R-1.1. R-values for other assemblies are permitted to be based on hot box tests.

TABLE 11-6  
MASS WALL PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS

Building Location		Mass Wall Assembly R-Value (hr ft <sup>2</sup> °F)/Btu	
Zone	HDD	Exterior or Integral Insulation	Other Mass Walls
Northern	6,300	R-13	R-15.2
Central	5,700	R-13	R-15.2
South	5,000	R-8	R-15.2
Ohio River	4,300	R-8	R-15.2

For SI: 1(hr ft<sup>2</sup>°F)/Btu = 0.176 m<sup>2</sup> K/W

N1102.1.1.2. Steel-frame walls. When steel framing construction is used, insulated sheathing with an R-5 value shall be installed in addition to the minimum required R-value for frame walls determined in accordance with TABLE 11-5.

N1102.1.2 Ceilings. The required “Ceiling R-value” in TABLE 11-5 assumes standard truss or rafter construction and shall apply to all roof/ceiling portions of the building thermal envelope including cathedral ceilings. R-30 shall be permitted to be compressed over the top plate to obtain the required rafter air spaces. R-30 shall be permitted to be used over the top plate where R-38 is required. R-38 shall be permitted over the top plate where R-49 is required.

N1102.1.3 Opaque doors. Opaque doors separating conditioned and unconditioned space shall have a maximum U-factor of thirty-five hundredths (0.35). One (1) opaque door shall be permitted to be exempt from this U-factor requirement.

N1102.1.4 Floors. The required R-value in TABLE 11-5 shall apply to all floors, except any individual floor assembly with over twenty-five percent (25%) of its conditioned floor area exposed directly to outside air shall meet the R-value requirement in TABLE 11-5 for ceilings.

N1102.1.5 Basement walls. When insulating basement walls, the required R-values shall be applied from the top of the basement wall to the depth required by TABLE 11-5.

N1102.1.6 Slab-on-grade floors. For slabs with a top edge eight (8) inches (two hundred three (203) millimeters) or less above or twelve (12) inches (three hundred five (305) millimeters) or less below finished grade, the required R-value in TABLE 11-5 shall be applied to the outside of the foundation or the inside of the foundation wall. The insulation shall extend downward from the top of the slab, or downward to the bottom of the slab and then horizontally in either direction, for the minimum distance listed in TABLE 11-5.

When installed between the exterior wall and the edge of the interior slab, the top edge of the insulation shall be permitted to be cut at a forty-five (45) degree (seventy-nine hundredths (0.79) radians) angle away from the exterior wall. Insulation extending horizontally away from the building shall be protected as set forth by SECTION R403.3.1.

R-2 shall be added to the values in TABLE 11-5 where uninsulated hot water pipes, air distribution ducts, or electric heating cables are installed within or under the slab.

N1102.1.7 Crawlspace walls. Where the floor above the crawlspace is uninsulated, and the crawlspace is not vented to outside air, insulation shall be installed on crawlspace walls as required in TABLE 11-5. The insulation shall be applied inside of the crawlspace wall, downward from the sill plate to the distance required by TABLE 11-5. The exposed earth in all crawlspace foundations shall be covered with a continuous six (6) mil vapor retarder having a maximum permeance rating of one (1.0) perm (5.74525 × 10<sup>-11</sup> kg/(Pa·s·m<sup>2</sup>)).

N1102.1.8 Masonry veneer. For exterior foundation insulation, that horizontal portion of the foundation that supports a masonry veneer shall not be required to be insulated.

N1102.1.9 Protection. Exposed insulating materials applied to the exterior of foundation walls shall be protected from damage or deterioration. The protection shall extend at least six (6) inches (one hundred fifty-two (152) millimeters) below finished grade level.

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

N1102.2 Fenestration exemption. Up to one percent (1%) of the total glazing area shall be exempt from U-factor requirements.  
**SECTION N1103 COMPLIANCE BY TOTAL BUILDING ENVELOPE PERFORMANCE**

N1103.1 Compliance with this section is an alternative to compliance with SECTION N1102.

N1103.2 Compliance by total building envelope performance. The building envelope design of a proposed building shall be permitted to deviate from the U<sub>o</sub>-factors, U-factors, or R-values specified in TABLE 11-7, provided the total thermal transmission heat gain or loss for the proposed building envelope does not exceed the total heat gain or loss resulting from the proposed building's conformance to the values specified in TABLE 11-7. For basement and crawlspace walls that are part of the building envelope, the U-factor of the proposed foundation shall be adjusted by the R-value of the adjacent soil where the corresponding U-factor in TABLE 11-7 is similarly adjusted. Heat gain or loss calculations for slab edge and basement or crawlspace wall foundations shall be determined using approved methods.

TABLE 11-7<sup>a,b,c</sup>  
 EQUIVALENT U-FACTORS

REGION	GLAZING	SKYLIGHT	CEILING	WALL	MASS WALL	FLOOR	BASEMENT	SLAB PERIMETER	CRAWL-SPACE
North	0.45	0.60	0.035	0.064	0.077	0.037	0.055 80%	0.684 80% + 0.35 glazing	0.076 80%
Central	0.45	0.60	0.035	0.074	0.077	0.042	0.064	0.684	0.100
South	0.45	0.60	0.035	0.074	0.125	0.045	0.078	0.727	0.109
Ohio River	0.45	0.60	0.035	0.077	0.125	0.047	0.093	0.825	0.196

<sup>a</sup>Nonfenestration U-factors shall be obtained from this table, measurement, calculation, or an approved source.

<sup>b</sup>For 78% AFUE furnaces or 6.8 HSPF and 10 SEER except where otherwise noted.

<sup>c</sup>The maximum door U-values to be allowed with this table are as follows: main exit, 0.54; other exit doors, 0.34; sliding glass doors, French doors, and atrium doors, 0.55.

**SECTION N1104 MECHANICAL SYSTEMS**

N1104.1 Heating and air conditioning appliance and equipment performance. Performance of equipment listed in TABLE 11-8 is covered by preemptive federal law. Appliances and equipment not listed in TABLE 11-8 shall be approved. Data furnished by the equipment supplier, or certified under a nationally recognized certification procedure, shall be used to satisfy these requirements. All such equipment shall be installed in accordance with the manufacturer's instructions.

TABLE 11-8  
 MINIMUM EQUIPMENT PERFORMANCE

EQUIPMENT CATEGORY	SUBCATEGORY <sup>c</sup>	REFERENCED STANDARD	MINIMUM PERFORMANCE
Air-cooled heat pumps heating mode < 65,000 Btu/h cooling capacity	Split systems	ARI 210/240	6.8 HSPF <sup>a, b</sup>
	Single package		6.6 HSPF <sup>a, b</sup>
Gas-fired or oil-fired furnace < 225,000 Btu/h		DOE 10 CFR Part 430, Subpart B, APPENDIX N	AFUE 78% <sup>b</sup> Et 80% <sup>c</sup>
Gas-fired or oil-fired steam and hot water boilers < 300,000 Btu/h		DOE 10 CFR Part 430, Subpart B, APPENDIX N	AFUE 78% <sup>b, d</sup>
Air-cooled air conditioners and heat pumps cooling mode < 65,000 Btu/h cooling capacity	Split systems		10.0 SEER <sup>b</sup>
		ARI 210/240	
	Single package		9.7 SEER <sup>b</sup>

For SI: 1 Btu/h = 0.2931 W.

<sup>a</sup>For multicapacity equipment, the minimum performance shall apply to each capacity step provided. Multicapacity refers to manufacturer-published ratings for more than one (1) capacity mode allowed by the product's controls.

<sup>b</sup>This is used to be consistent with the National Appliance Energy Conservation Act (NAECA) of 1987 (Public Law 100-12).

<sup>c</sup>These requirements apply to combination units not covered by NAECA (three-phase power or cooling capacity sixty-five thousand (65,000) Btu/h).

<sup>d</sup>Except for gas-fired steam boilers, for which the minimum AFUE shall be seventy-five percent (75%).

<sup>e</sup>Seasonal rating.

N1104.2 Controls. At least one (1) thermostat shall be provided for each separate heating, cooling, or combination heating and cooling system. Heat pumps shall have controls that prevent supplementary electric resistance heater operation when the heating load can be met by the heat pump alone. Supplementary heater operation shall be permitted during outdoor coil defrost cycles not exceeding fifteen (15) minutes.

N1104.3 Duct insulation. All portions of the air distribution system that serve the permanent heating, ventilating, and air conditioning systems shall be installed in accordance with SECTION M1601 and be insulated to an installed R-4.2 when system components are located within the building but outside of conditioned space and R-8 when located outside of the building. When located within a building envelope assembly, at least R-8 shall be applied between the duct and that portion of the assembly furthest from conditioned space.

EXCEPTION: Exhaust air ducts and portions of the air distribution system within appliances or equipment.

N1104.4 Duct sealing. All ducts shall be sealed in accordance with SECTION M1601.3.1.

N1104.5 Piping insulation. All mechanical system piping that serves the permanent heating, ventilating, and air conditioning systems shall be insulated in accordance with TABLE 11-9.

EXCEPTION: Piping installed within appliances and equipment or piping serving fluids between 55°F (13°C) and 120°F (49°C).

TABLE 11-9  
MINIMUM HVAC PIPING  
INSULATION THICKNESSES<sup>a</sup>

	FLUID TEMPERATURE RANGE (°F)	INSULATION THICKNESS (inches) <sup>b</sup>
<b>HEATING SYSTEMS</b>		
Low pressure/temperature	201–250	1.5
Low temperature	120–200	1.0
Steam condensate (for feed water)	Any	1.5
<b>COOLING SYSTEMS</b>		
Chilled water, refrigerant, or brine	40–55	0.75
	Below 40	1.25

For SI: 1 inch = 25.4 mm, °C = (°F - 32) / 1.8.

<sup>a</sup>The pipe insulation thicknesses specified in this table are based on insulation R-values ranging from R-4 to R-4.6 per inch of thickness. For materials with an R-value greater than R-4.6, the insulation thickness specified in this table may be reduced as follows:

$$\text{New Minimum Thickness} = \frac{4.6 \times \text{Table Thickness}}{\text{Actual R-value}}$$

For materials with an R-value less than R-4, the minimum insulation thickness shall be increased as follows:

$$\text{New Minimum Thickness} = \frac{4.0 \times \text{Table Thickness}}{\text{Actual R-value}}$$

<sup>b</sup>For piping exposed to outdoor air, increase thickness by 0.5 inch.

**SECTION N1105 SERVICE WATER HEATING**

N1105.1 Water heating appliance and equipment performance. Performance of equipment listed in TABLE 11-10 is covered by preemptive federal law. Appliances and equipment not listed in TABLE 11-10 shall be approved.

TABLE 11-10

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

REQUIRED PERFORMANCE OF DOMESTIC HOT WATER HEATING EQUIPMENT SUBJECT TO MINIMUM FEDERAL STANDARDS

CATEGORY	MAXIMUM INPUT RATING	MINIMUM EFFICIENCY
Electric; storage or instantaneous	12 kW	0.93 - 0.00132 × V <sup>a</sup>
Gas; storage	75,000 Btu/h	0.62 - 0.0019 × V <sup>a</sup>
Gas; instantaneous	200,000 Btu/h	0.62 - 0.0019 × V <sup>a</sup>
Oil; storage	105,000 Btu/h	0.59 - 0.0019 × V <sup>a</sup>
Oil; instantaneous	210,000 Btu/h	0.59 - 0.0019 × V <sup>a</sup>

For SI: 1Btu/h = 0.2931 W, 1 gallon = 3.785 L.

<sup>a</sup>V is the rated storage volume in gallons as specified by the manufacturer.

**N1106 ALTERNATE DESIGN**

N1106.1 Chapter 4, Residential Building Design by Systems Analysis and Design of Buildings Utilizing Renewable Energy Sources, of the International Energy Conservation Code 2000, except as amended in subsection N1106.2, is an alternative to compliance with SECTIONS N1102 AND N1103.

N1106.2 (a) Change subsection 402.1 to read as follows: Compliance with this chapter will require an analysis of the annual energy usage, completed during the building design phase, and hereinafter called the “annual energy analysis”.

(b) Delete the exception from subsection 402.1 without substitution.

(c) Delete “Chapter 5” from subsection 402.1.1 and substitute “TABLE 11-5, TABLE 11-7, or TABLE 11-11” Delete all exceptions in subsection 402.1.1.

(d) Delete TABLES 402.1.1(1) and 402.1.1(2) including their footnotes.

(e) In subsection 402.1.3.1.4, delete “Table 102.5.2(3)” and substitute “TABLE 11-3”.

(f) In subsection 402.1.3.6, delete “Type A-1 Residential building” and substitute “1 or 2 family dwelling” and delete “Type A-2 Residential building” and substitute “townhouse”.

(g) Add the following to the last sentence of subsection 402.1.3.10: “See subsection R303.1 for ventilation requirements for 1 and 2 family dwellings or townhouses.”.

(h) In subsection 402.1.3.11, delete “Table 502.2” and substitute “TABLE 11-5”.

(i) In subsection 402.4.1, delete “as required in Chapter 3” and substitute “as follows:” and the following table:

TABLE 11-11

THERMAL DESIGN PARAMETERS EXTERNAL DESIGN CONDITIONS

	Northern	Central	South	Ohio River
WINTER Design Dry-Bulb °F	1°	2°	9°	9°
SUMMER Design Wet-Bulb °F	73°	74°	75°	75°
SUMMER Design Dry-Bulb °F	89°	90°	93°	93°
DEGREE DAYS HEATING	6,300	5,700	5,000	4,300

(j) In subsection 402.5, delete “Chapter 4” and substitute “this chapter”.

(k) In subsection 403.1.1.1, delete “Section 502.1.4.1” and substitute “TABLE 11-4”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-107; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2271*)

**675 IAC 14-4.2-108 Section M1201.1; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 108. Change SECTION M1201.1 to read as follows: The provisions of CHAPTERS 1, 2, and 12 through 24 shall regulate the design, installation, and alteration of any part of the permanent heating, ventilating, and air conditioning for a Class 1 structure-townhouse or a Class 2 structure-1 or 2 family dwelling. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-108; filed May 23, 2001, 4:02 p.m.: 24 IR 3054*)

**675 IAC 14-4.2-109 Section M1201.2; application**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 109. Delete SECTION M1201.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-109; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-110 Section M1202; existing mechanical systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 110. Delete SECTION M1202 and substitute to read as follows: For existing installations see Chapter 1 and the General Administrative Rules (675 IAC 12). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-110; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-111 Section M1303.1; label information**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 111. Change in SECTION M1303.1, item number 4 “approval” to “acceptance”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-111; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-112 Section M1307.3.1; protection from impact**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 112. Delete SECTION M1307.3.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-112; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-112.5 Section M1411.3.1; auxiliary and secondary drain systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 112.5. In the first sentence of SECTION R1411.3.1, delete “damage to any building components will occur as a result of overflow from the equipment drain pan or stoppage in the condensate drain piping” and substitute “installed above the finished ceiling”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-112.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2277*)

**675 IAC 14-4.2-113 Section M1501.3; length limitation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 113. Change in the first sentence of SECTION M1501.3 “25 feet (7620 mm)” to read “thirty-five (35) feet”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-113; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-114 Section M1503.1; installation of microwave oven over a cooking appliance**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 114. Delete SECTION M1503.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-114; filed May 23,*

2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)

**675 IAC 14-4.2-115 Chapter 19; special fuel-burning equipment**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 115. Delete Chapter 19. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-115; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-116 Section M2001; boilers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7

Sec. 116. Add SECTION M2001.1.2 to the end of SECTION M2001 to read as follows: Boilers and water heaters regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9; are not regulated by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-116; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-117 Section M2005.5; anchorage of water heaters in seismic design Category C<sub>1</sub>**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 117. Add SECTION M2005.5 to the end of SECTION M2005 to read as follows: M2005.5 Anchorage of Water Heaters in Seismic Design Category C<sub>1</sub>. In Seismic Design Category C<sub>1</sub>, all gas water heaters shall be anchored or fastened to resist horizontal displacement due to earthquake motion as provided in SECTION M1307.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-117; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2277*)

**675 IAC 14-4.2-118 Section M2006; pool heaters**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 118. Delete SECTION M2006. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-118; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-119 Section M2201.3; underground tanks**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 119. Delete SECTION M2201.3 and substitute to read as follows: Excavations for underground tanks shall not undermine the foundations of existing structures.

Underground tanks shall be set on firm foundations and surrounded with at least six (6) inches (one hundred fifty-two and four-tenths (152.4) millimeters) of noncorrosive inert material, such as clean sand or gravel well-tamped in place or in accordance with the manufacturer's installation instructions. Tanks shall be covered with a minimum of two (2) feet (six hundred nine and six-tenths (609.6) millimeters) of earth or shall be covered by not less than one (1) foot (three hundred four and eight-tenths (304.8) millimeters) of earth, on top of which shall be placed a slab of reinforced concrete not less than four (4) inches (one hundred one and six-tenths (101.6) millimeters) thick.

When underground tanks are, or are likely to be, subjected to traffic, they shall be protected against damage from vehicles passing over them by at least three (3) feet (nine hundred fourteen and four-tenths (914.4) millimeters) of earth cover, or eighteen (18) inches (four hundred fifty-seven and two-tenths (457.2) millimeters) of well-tamped earth plus six (6) inches (one hundred fifty-

two and four-tenths (152.4) millimeters) of reinforced concrete, or eight (8) inches (two hundred three and two-tenths (203.2) millimeters) of asphaltic concrete. When asphaltic or reinforced concrete paving is used as part of the protection, it shall extend at least one (1) foot (three hundred four and eight-tenths (304.8) millimeters) horizontally beyond the outline of the tank in all directions.

The clearance from the tank to the nearest wall of a basement, pit, or property line shall not be less than one (1) foot (three hundred five (305) millimeters).

Corrosion protection shall be provided in accordance with SECTION M2203.7. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-119; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-120 Section M2301.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 120. Change SECTION M2301.1 to read as follows: This section provides for construction, installation, and alteration of equipment and systems utilizing solar energy to provide space heating or cooling and hot water heating. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-120; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-121 Section G2401.1; application**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 121. (a) Delete in the second sentence of the second paragraph of SECTION G2401.1 “, inspection, operation, and maintenance”, and add “and” before “testing” and delete the comma after “installation”.

(b) Change in item number 3 of SECTION G2401.1 “401.1.1” to read “G2411.1.1”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-121; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-122 Section G2403; general definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7

Sec. 122. Change SECTION G2403 as follows: (a) Change the title to read as follows: SECTION G2403(202) GENERAL DEFINITIONS FOR THE PURPOSE OF CHAPTER 24 ONLY.

(b) Add to the end of the definition of BOILER, LOW PRESSURE as follows: This definition is not applicable to boilers regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9.

(c) Delete the definition of CODE.

(d) Delete the definition of CODE OFFICIAL and substitute to read as follows: See BUILDING OFFICIAL in SECTION R202.

(e) Delete the definition of HAZARDOUS LOCATION.

(f) Add after “MODULATING”, NFPA 58 see 675 IAC 22-2.2-14.

(g) Add after “UNIT HEATER”, UNUSUALLY TIGHT CONSTRUCTION, see SECTION R202. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-122; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-123 Section G2404.7; flood hazard**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 123. Delete SECTION G2404.7 and substitute to read as follows: See local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-123; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR*

3070)

**675 IAC 14-4.2-124 Section G2405.1; structural safety**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 124. Delete in the second sentence of SECTION G2405.1 “repairing” and substitute “altering”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-124; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-125 Section G2407.4 and Section G2407.5; process air and ventilation air**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 125. Delete SECTIONS G2407.4 and G2407.5. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-125; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-126 Section G2408.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 126. (a) Delete at the end of the first paragraph of SECTION G2408.1 “at the time of inspection”.

(b) Delete at the end of the second paragraph of SECTION G2408.1 “and the requirements determined by the code official”.

(c) Add in the second paragraph of SECTION G2408.1 after “instructions,” and before “the”, “and”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-126; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-127 Section G2408.3; private garages**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 127. Delete SECTION G2408.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-127; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-128 Section G2411.1; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 128. Change SECTION G2411.1 to read as follows: This chapter shall govern the design, installation, and modification of piping systems. The applicability of this code to piping systems extends from the point of delivery to the connections with the equipment and includes the design, materials, components, fabrication, assembly, installation, and testing of such piping systems. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-128; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-129 Section G2411.1.1; utility piping systems located within buildings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 129. Delete SECTION G2411.1.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-129; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-130 Section G2412.2; maximum gas demand**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 130. Delete in the last sentence of the first paragraph of SECTION G2412.2 “a qualified” and substitute “an approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-130; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-131 Section G2413.1; material application**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 131. Change SECTION G2413.1 as follows: (a) Change “approached by the code official” to “approved by the building official”.

(b) Change “imited” to “limited”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-131; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-132 Section G2413.3; other materials**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 132. Change “code official” to “building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-132; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-133 Section G2414.3; piping in concealed locations**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 133. Delete in SECTION G2414.3 “Standard for the Storage and Handling of Liquefied Petroleum Gases”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-133; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-134 Section G2414.8; protection against corrosion**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 134. Change in the third sentence of SECTION G2414.8 “in a manner satisfactory to the code official” to read “as approved by the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-134; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-135 Section G2414.9.1; individual outside appliances**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 135. Delete SECTION G2414.9.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-135; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-136 Section G2414.16; testing of piping**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 136. Delete the word “, inspection” in the last sentence of SECTION G2414.16. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-136; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-137 Section G2416; inspection, testing, and purging**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 137. Change SECTION G2416 as follows: (a) Change the title to read as follows: SECTION G2416 (406) TESTING AND PURGING.

(b) Delete in SECTION G2416.1 “inspected and”.

(c) Delete SECTION G2416.1.1.

(d) Change the title and text of SECTION G2416.1.2 to read as follows: Additions. In the event additions are made following the pressure test, the affected piping shall be tested.

EXCEPTION: Minor additions, provided the work and connections are tested with a noncorrosive leak-detecting fluid or other leak-detecting methods approved by the building official.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-137; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-138 Section G2416.6.2; before turning gas on**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 138. Change SECTION G2416.6.2 to read as follows: Before gas is introduced into a system of new gas piping, it shall be determined that there are no open fittings or ends and that all manual valves at outlets on equipment are closed and all unused valves at outlets are closed and plugged or capped. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-138; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-139 Section G2416.6.3; test for leakage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 139. (a) Delete in SECTION G2416.6.3 “or into a system that has been initially restored after an interruption of service,”.

(b) Change the last sentence of SECTION G2416.6.3 to read as follows: If leakage is indicated, the gas supply shall be shut off until the leakage is corrected. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-139; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-140 Section G2416.7.1; removal from service**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 140. Delete “servicing,” from SECTION G2416.7.1 and substitute “an”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-140; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-141 Section G2419.2; meter valve**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 141. Delete SECTION G2419.2. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-141; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-142 Section G2422; CNG gas-dispensing systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 142. Delete SECTION G2422. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-142; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-143 Section G2424.1; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 143. Delete from SECTION G2424.1 “, maintenance, repair”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-143; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-144 Section G2426.8; venting system location**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 144. Change SECTION G2426.8, item 4 to read as follows: 4. Through-the-wall vents for Categories II and IV appliances and noncategorized appliances shall not terminate over walkways or over an area where condensate or vapor could be detrimental to the operation of regulators, relief valves, or other equipment. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-144; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-145 Section G2426.9; condensation drain**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 145. Delete SECTION G2426.9 and substitute to read as follows: For collection and disposal of condensate from venting systems see local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-145; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-146 Section G2426.6.10; marking**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 146. Delete SECTION G2426.6.10. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-146; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-147 Section G2427.1; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 147. Add to the definition of APPLIANCE CATEGORIZED VENT DIAMETER/AREA in SECTION G2427.1 “approved” after “with” and before “nationally”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-147; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-148 Section G2430.1; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 148. Change SECTION G2430.1 to read as follows: This chapter shall govern the approval, design, installation, construction, and alteration of the appliances and equipment specifically identified herein. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-148; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-149 Section G2436; clothes dryer**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 149. Delete SECTION G2436. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-149; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-150 Section G2437.5.1; maximum length**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 150. Change in the first sentence of SECTION G2437.5.1 “25 feet (7620 mm)” to read “35 feet”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-150; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-151 Section G2438; sauna heaters**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 151. Delete SECTION G2438. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-151; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-152 Section G2439; pool and spa heaters**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 152. Delete SECTION G2439. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-152; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-153 Section G2445; cooking appliances**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 153. Delete SECTION G2445. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-153; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-154 Section G2446.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7

Sec. 154. Add an exception to the end of SECTION G2446.1 to read as follows: EXCEPTION: Water heaters regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9 are not regulated by this code. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-154; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-155 Section G2450.1; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7

Sec. 155. Change SECTION G2450.1 as follows: (a) Change the second sentence of SECTION G2450.1 as follows: Delete “When required by the code official” and capitalize “the” after “official” and before “boiler”.

(b) Add an exception to the end of SECTION G2450.1 to read as follows: EXCEPTION: Boilers regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9 are not regulated by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-155; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-156 Section P2501; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 156. Delete SECTION P2501 and substitute to read as follows: The provisions of Chapters 1, 2, and 25 through 32 shall establish the requirements for plumbing and plumbing systems. Compliance with the Indiana Plumbing Code (675 IAC 16) shall be allowed instead of compliance with this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-156; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-157 Section P2502; existing plumbing systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 157. Delete SECTION P2502 and substitute to read as follows: See the General Administrative Rules (675 IAC 12). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-157; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-158 Section P2503.1; inspection required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 158. Delete SECTION P2503.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-158; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-159 Section P2503.2; concealment**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 159. Delete in SECTION P2503.2 “, inspected”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-159; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-160 Section P2503.3; responsibility of permitter**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 160. Delete SECTION P2503.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-160; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-161 Section P2503.5.2; finished plumbing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 161. Delete in SECTION P2503.5.2, item 2, “the local administrative authority” and substitute “local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-161; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-162 Section P2503.7; inspection and testing of backflow prevention devices**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 162. Change the title and text of SECTION P2503.7 to read as follows: Testing of backflow prevention devices. Testing of backflow prevention devices shall comply with SECTION P2503.7.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-162; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-163 Section P2503.7.1; inspections**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 163. Delete SECTION P2503.7.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-163; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-164 Section P2503.7.2; testing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 164. Change SECTION P2503.7.2 to read as follows: Reduced pressure principle backflow preventers, double check valve assemblies, double-detector check valve assemblies, and pressure vacuum breaker assemblies shall be tested at the time of installation. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-164; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-165 Section P2603.1; protection against physical damage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 165. Delete in SECTION P2603.1 “or repairing”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-165; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-166 Section P2603.2.1; protection against physical damage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 166. (a) Change in SECTION P2603.2.1 “1.5 inches (38 mm)” to read “1¼ inches”.

(b) Delete in SECTION P2603.2.1 “and shall extend a minimum of 2 inches (51 mm) above sole plates and below top plates”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-166; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-167 Section P2603.5; pipes through footings or foundation walls**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 167. Delete in SECTION P2603.5 “two pipe sizes”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-167; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-168 Section P2604.5; inspection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 168. Delete in SECTION P2604.5 “inspected”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-168; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-169 Section P2706.2; standpipes**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 169. Add an exception to the end of SECTION P2706.2 to read as follows: EXCEPTION: A one and one-half (1½) inch standpipe shall extend a minimum of thirty (30) inches and a maximum of forty-two (42) inches. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-169; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-170 Section P2706.2.1; laundry tray connection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 170. Delete the last sentence of SECTION P2706.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-170; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-171 Section P2717.3; sink, dishwasher, and food grinder**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 171. Change the last sentence of P2717.3 to read as follows: The dishwasher waste line shall rise and be securely fastened. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-171; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-171.5 Section P2801.5; required pan**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 171.5. In SECTION P2801.5, delete “in locations where leakage of the tanks or connections will cause damage” and substitute “above a finished ceiling”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-171.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2277*)

**675 IAC 14-4.2-172 Section P2802.2; scald protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 172. Change SECTION P2802.2 as follows: (a) Change “requires” to “allows”.

(b) Add after “temper the water” and before “for”, “not to exceed 140°F”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-172; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-173 Section P2901.1; potable water required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 173. Change in SECTION P2901.1 “appropriate” to “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-173; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-174 Section P2903.8.5; support and protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 174. Delete the last sentence of SECTION P2903.8.5. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-174; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-174.5 Section P2903.5; water hammer**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 174.5. Change SECTION P2903.5 to read as follows: Water Hammer. The flow velocity through the water distribution system shall be controlled to reduce the possibility of water hammer. Water hammer arrestors, when installed, shall be installed in accordance with manufacturer’s installation instructions and shall conform to ASSE/ANSI 1010. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-174.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2277*)

**675 IAC 14-4.2-175 Section P2903.9.1; service valve**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 175. Change in the last sentence of SECTION P2903.9.1 “requirements” to “ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-175; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-176 Section P2907; drinking water treatment units**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 176. Delete SECTION P2907. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-176; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-177 Section P3101.4 and SECTION P3103.2; extension outside a structure and frost closure**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 177. Delete SECTIONS P3101.4 and P3103.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-177; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-177.5 Section P3103.1; roof extension**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 177.5. Change SECTION P3103.1 to read as follows: All open pipes which extend through a roof shall be terminated at least twelve (12) inches (three hundred five (305) millimeters) above the highest point where the vent passes through the roof except that where a roof is to be used for any purpose other than weather protection, the vent extension shall terminate no less than seven (7) feet (two thousand one hundred thirty-four (2,134) millimeters) above the roof. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-177.5; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2277)*

**675 IAC 14-4.2-178 Table P3105.1; maximum distance of fixture trap from vent**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 178. Add a note to TABLE P3105.1 to read as follows: NOTE: A trap arm serving only a bath tub or shower may be increased to nine (9) feet with a slope of not less than one-eighth ( $\frac{1}{8}$ ) inch per foot. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-178; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-179 Section P3201.4; building traps**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 179. Delete SECTION P3201.4. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-179; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-180 Table P3201.7; size of traps and trap arms for plumbing fixtures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 180. Change TABLE P3201.7 as follows: (a) Change the shower trap size minimum from "2" to "1½".

(b) Add a note to read as follows: NOTE: A clothes washer standpipe may be one and one-half (1½) inches when installed in accordance with SECTION P2706.2. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-180; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-181 Section E3301.2; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 181. Change SECTION E3301.2 to read as follows: Chapters 1 and 33 through 42 shall cover the installation of electrical systems, equipment and components for the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems that are part of a Class 1 structure - townhouse or Class 2 structure -1 and 2 family dwelling.

Services within the scope of this code shall be limited to 120/240-volt, 0 to 400 ampere, single-phase systems.

The omission from these chapters of any material or method of construction provided for in the Indiana Electrical Code (675 IAC 17) shall not be construed as prohibiting the use of such material or method of construction. Electrical systems, equipment, or components not specifically addressed in these chapters shall comply with the applicable provisions of the Indiana Electrical Code (675 IAC 17).

Compliance with the Indiana Electrical Code (675 IAC 17) is allowed instead of compliance with this code. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-181; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-181.1 Section E3301.2; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 181.1. Change Section E3301.2 to read as follows: Chapters 1 and 33 through 42 shall cover the installation of electrical systems, equipment, and components for the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems that are part of a Class 1 structure-townhouse or Class 2 structure-1 and 2 family dwelling.

Exception: This section does not require the installation of an electrical system in Class 2 structures.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-181.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 11)*

**675 IAC 14-4.2-182 Section E3301.3; not covered**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 182. Add item number 3 to SECTION E3301.3 to read as follows: 3. Installations not part of a Class 1 structure - townhouse or Class 2 structure - 1 and 2 family dwelling. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-182; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-182.1 Section E3302.2; penetrations of fire-resistance-rated assemblies**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 182.1. Delete "Section R320.2" in the last sentence and replace with "Section R321". *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-182.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 11)*

**675 IAC 14-4.2-183 Section E3303.2; inspection required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 183. Delete SECTION E3303.2. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-183; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-184 Section E3304.2; interrupting rating**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 184. Change SECTION E3304.2 to read as follows: Equipment intended to interrupt current at fault levels shall have an interrupting rating sufficient for the nominal circuit voltage and the current that is available at the line terminals of the equipment. Equipment intended to interrupt current at other than fault levels shall have an interrupting rating at nominal circuit voltage sufficient for the current that must be interrupted. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-184; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-185 Section E3305.6; illumination**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 185. Add a sentence to the end of SECTION E3305.6 to read as follows: Additional lighting fixtures shall not be required where the work space is illuminated by an adjacent artificial light source. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-185; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-185.1 Section E3306.5; individual conductor insulation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 185.1. Delete the second sentence in Section E3306.5 without substitution. Delete the period after the last sentence and add "in accordance with Table E3605.1.". (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-185.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 11*)

**675 IAC 14-4.2-186 Section E3306.6; conductors in parallel**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 186. Change in the first sentence in SECTION E3306.6 "10" to "1/0". (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-186; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-187 Section E3401; general**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 187. Change Section E3401 as follows: (a) Delete the definition of APPROVED and substitute to read as follows: See the definition of APPROVED in SECTION R202.

(b) Delete the definition of BRANCH CIRCUIT, GENERAL PURPOSE and substitute: A branch circuit that supplies two (2) or more receptacles or outlets for lighting and appliances.

(c) Delete the definition of GROUND-FAULT CIRCUIT-INTERRUPTER and substitute: A device intended for the protection of personnel that functions to de-energize a circuit or portion thereof within an established period of time when a current to ground exceeds the values established for a Class A device.

(d) Delete the definition of LABELED and substitute as follows: See the definition of LABELED in SECTION R202.

(e) Delete the definition of LISTED and substitute to read as follows: See the definition of LISTED AND LISTING in SECTION R202. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-187; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070; filed Aug 14, 2002, 4:20 p.m.: 26 IR 11*)

**675 IAC 14-4.2-187.1 Section E3501.6.2; service disconnect location**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 187.1. At the end of Section E3501.6.2, add a sentence to read as follows: "Conductors shall be considered outside of a building or structure under any of the following conditions:

(1) where installed under not less than 51 mm (2 in.) of concrete beneath a building or other structure,

(2) where installed within a building or other structure in a raceway that is encased in concrete or brick not less than 51 mm (2 in.) thick, or,

(3) where installed in conduit and under not less than 457 mm (18 in.) of earth beneath a building or other structure."

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-187.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 12*)

**675 IAC 14-4.2-187.2 Table E3503.1; service conductor and grounding electrode conductor sizing**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 187.2. Delete all references to insulation types without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-187.2; filed Aug 14, 2002, 4:20 p.m.: 26 IR 12*)

**675 IAC 14-4.2-187.3 Section E3504.2.1; above roofs**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 187.3. In Exception 1, after “pedestrian”, insert “or vehicular”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-187.3; filed Aug 14, 2002, 4:20 p.m.: 26 IR 12*)

**675 IAC 14-4.2-187.4 Section E3505.5; protection of service cables against damage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 187.4. Delete “rigid nonmetallic conduit suitable for the location” and insert “Schedule 80 rigid nonmetallic conduit”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-187.4; filed Aug 14, 2002, 4:20 p.m.: 26 IR 12*)

**675 IAC 14-4.2-188 Section E3506.3; available short-circuit current**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 188. Delete from SECTION E3506.3 “, but not less than 10,000 amperes”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-188; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-189 Section E3509.7; metal gas piping bonding**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 189. Before the period at the end of SECTION E3509.7, add: “at an accessible point in accordance with SECTION E3509.8”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-189; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2277*)

**675 IAC 14-4.2-189.2 Section E3509.8; bonding other metal piping**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 189.2. Change the third sentence of SECTION E3509.8 to read as follows: “A piping system shall be considered as bonded where connected to the equipment grounding conductor for the circuit capable of energizing such piping if connected using a fixed wiring method.”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-189.2; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2277*)

**675 IAC 14-4.2-190 Section E3602.9.1; minimum branch circuit for ranges**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190. Add EXCEPTIONS 1 and 2 to SECTION E3602.9.1 to read as follows:

EXCEPTION 1. Tap conductors supplying electric ranges, wall-mounted electric ovens, and counter-mounted electric cooking units from a 50-ampere branch circuit shall have an ampacity of not less than twenty (20) and shall be sufficient for the load to be served. The taps shall not be longer than necessary for servicing the appliance.

2. The neutral conductor of a 3-wire branch circuit supplying a household electric range, a wall-mounted oven, or a counter-mounted cooking unit shall be permitted to be smaller than the ungrounded conductors where the maximum demand of a range of 8 ¾ kW or more rating has been computed according to Column A of TABLE E3604.3(2), but shall have an ampacity of not less than seventy (70) percent of the branch-circuit rating and shall not be smaller than No. 10.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-190; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-190.1 Section E3602.10; branch circuits serving heating loads**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190.1. In the second sentence, insert “25” to the list of circuit ratings. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-190.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 12)*

**675 IAC 14-4.2-190.2 Section E3602.12; branch circuits serving room air conditioners**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190.2. In item 4, delete “or the rating of the branch-circuit conductors.” *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-190.2; filed Aug 14, 2002, 4:20 p.m.: 26 IR 12)*

**675 IAC 14-4.2-190.3 Section E3602.12.1; where no other loads are supplied**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190.3. Delete “appliances are also supplied” and insert “loads are supplied”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-190.3; filed Aug 14, 2002, 4:20 p.m.: 26 IR 12)*

**675 IAC 14-4.2-190.4 Section E3602.12.2; where lighting units or other appliances are also supplied**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190.4. Delete the text and substitute: The total marked rating of a cord-and-attachment-plug-connected room air conditioner shall not exceed 50 percent of the rating of a branch circuit where lighting outlets, other appliances, or general-use receptacles are also supplied. Where the circuitry is interlocked to prevent simultaneous operation of the room air conditioner and energization of other outlets on the same branch circuit, a cord-and-attachment-plug-connected room air conditioner shall not exceed 80 percent of the branch-circuit rating. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-190.4; filed Aug 14, 2002, 4:20 p.m.: 26 IR 12)*

**675 IAC 14-4.2-190.5 Section E3703.3; protection from damage**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190.5. In the third sentence of Section E3703.3, delete “service laterals” and substitute “underground service conductors”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-190.5; filed Aug 14, 2002, 4:20 p.m.: 26 IR 13)*

**675 IAC 14-4.2-191 Figure E3801.4; countertop receptacles**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191. Change FIGURE E3801.4 as follows: Add to FIGURE E3801.4 text to read “GFCI” next to the receptacle for the island countertop. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-191; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-191.1 Section E3801.4.5; receptacle outlet location**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191.1. (a) Change the first statement to read: Receptacle outlets shall be located above, but not more than 20 inches (508 mm) above the countertop.

(b) In the first sentence of the exception, change “18 inches (458 mm)” to “20 inches (508 mm)”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-191.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 13*)

**675 IAC 14-4.2-191.2 Section E3801.6; bathroom**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191.2. Delete the second sentence and substitute: The receptacle outlet shall be located on a wall or partition that is adjacent to the basin or basin countertop. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-191.2; filed Aug 14, 2002, 4:20 p.m.: 26 IR 13*)

**675 IAC 14-4.2-191.3 Section E3801.9; basements and garages**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191.3. In the last sentence, change “in the unfinished portion” to “in each separate unfinished portion”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-191.3; filed Aug 14, 2002, 4:20 p.m.: 26 IR 13*)

**675 IAC 14-4.2-191.4 Section E3801.11; HVAC outlet; Section E3802; ground-fault and arc-fault circuit-interrupter protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191.4. (a) In the first sentence of SECTION E3801.11, delete “located in attics and crawl spaces” without substitution.

(b) Add SECTION E3802.7.1 after SECTION E3802.7 to read: Boathouses. All 125-volt, single-phase, 15-ampere or 20-ampere receptacles installed in boathouses shall have ground-fault circuit-interrupter protection for personnel. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-191.4; filed Aug 14, 2002, 4:20 p.m.: 26 IR 13; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2278*)

**675 IAC 14-4.2-191.5 Section E3802.8; exempt receptacles**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191.5. Change to read as follows: Receptacles installed under exceptions to Sections E3802.2 and E3802.5 shall not be considered as meeting the requirements of Section E3801.9. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-191.5; filed Aug 14, 2002, 4:20 p.m.: 26 IR 13*)

**675 IAC 14-4.2-192 Section E3802; ground-fault and arc-fault circuit-interrupter protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192. Add SECTIONS E3802.9, E3802.9.1, and E3802.9.2 to the end of SECTION E3802 to read as follows:

E3802.9 ARC-FAULT CIRCUIT-INTERRUPTER-PROTECTION

E3802.9.1 Definition. An arc-fault circuit-interrupter is a device intended to provide protection from the effects of arc faults

by recognizing characteristics unique to arcing and by functioning to de-energize the circuit when an arc fault is detected. E3802.9.2 Dwelling unit bedrooms. All branch circuits that supply 125-volt, single-phase, 15- and 20- ampere receptacle outlets installed in dwelling unit bedrooms shall be protected by an arc-fault circuit interrupter(s). This requirement shall become effective January 1, 2002.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-192; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-192.1 Section E3803.3; additional locations**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192.1. In the second sentence, the third sentence, and the Exception, delete “egress door” and substitute “entrances or exits”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-192.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 13)*

**675 IAC 14-4.2-192.2 Section E3805.1; box, conduit body, or fitting; where required**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192.2. In the first sentence, after “junction point”, insert “, termination point”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-192.2; filed Aug 14, 2002, 4:20 p.m.: 26 IR 13)*

**675 IAC 14-4.2-192.3 Section E3805.3.1; nonmetallic-sheathed cable and nonmetallic boxes**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192.3. After “Where nonmetallic-sheathed cable”, insert “or multiconductor Type UF cable”. After “¼ inch (6.4 mm)”, insert “and beyond any cable clamp”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-192.3; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-192.4 Section E3805.3.2; securing to box**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192.4. In the exception, after “Where nonmetallic-sheathed”, insert “or multiconductor Type UF”. At the end of the exception, insert “Multiple cable entries shall be permitted in a single cable knockout opening”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-192.4; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-192.5 Section E3806.5; in wall or ceiling**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192.5. In the first sentence, after “tile”, insert “, gypsum, plaster”. In the second sentence, after “combustible”, insert “surface”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-192.5; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-192.6 Section E3806.8.2.1; nails**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192.6. Change the section heading to “Nails and screws”. In the text, delete “Nails”, and insert “Nails and screws.”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-192.6; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-193 Section E3808.7; load-side equipment**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193. (a) Change the exception in SECTION E3808.7 to read as follows: EXCEPTION 1. For separate buildings, in accordance with SECTION E3507.3.

(b) Add EXCEPTION 2 to SECTION E3808.7 to read as follows: EXCEPTION 2. It shall be permissible to ground meter enclosures by connection to the grounded circuit conductor on the load-side of the service if:

(1) all meter enclosures are located near the service disconnecting means; and

(2) the size of the grounded circuit conductor is not smaller than the size specified in TABLE E3808.12 for equipment grounding conductors.

*(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-193; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-193.1 Section E3808.8; types of equipment grounding conductors**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193.1. Delete the first phrase in Item 1 and insert "A copper, aluminum, or copper-clad aluminum conductor". *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-193.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-193.2 Section E3901.3; indicating**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193.2. In the second sentence, delete "single throw". Add an exception to read as follows: "Vertically operated double-throw switches shall be permitted to be in the closed (on) position with the handle in either the up or down position". *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-193.2; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-193.3 Section E3902.12; outdoor installation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193.3. Delete Section E3902.12 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-193.3; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-193.4 Section E3903.11; fixtures in clothes closets**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193.4. In Item 4, delete "on". *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-193.4; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-193.5 Table E4103.5; overhead conductor clearances**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193.5. In the second column, change "22" to "22.5", and change "14" to "14.5". *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-193.5; filed Aug 14, 2002, 4:20 p.m.: 26 IR 14)*

**675 IAC 14-4.2-194 Section E4103.6; underground wiring**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194. Delete in the last sentence of SECTION E4103.6 “not”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-194.1 Section E4104.1; bonded parts**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194.1. At the end of Item 1, add a sentence to read as follows: Where reinforcing steel is encapsulated with a nonconductive compound, provisions shall be made for an alternative means to eliminate voltage gradients that would otherwise be provided by unencapsulated, bonded reinforcing steel. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194.1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 15*)

**675 IAC 14-4.2-194.2 Section E4106.8.2; other enclosures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194.2. Add requirement 6 to read as follows: 6. Comprised of copper, brass, suitable plastic, or other approved corrosion-resistant material. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194.2; filed Aug 14, 2002, 4:20 p.m.: 26 IR 15*)

**675 IAC 14-4.2-194.3 Section E4106.9.2; wiring methods**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194.3. In the first sentence, after “corrosion-resistant metal,” insert “, liquidtight flexible nonmetallic conduit (LFNC-B)”. In the second sentence, after the words “rigid nonmetallic conduit,” insert “or liquidtight flexible nonmetallic conduit”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194.3; filed Aug 14, 2002, 4:20 p.m.: 26 IR 15*)

**675 IAC 14-4.2-194.4 Section E4106.10; electrically operated pool covers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194.4. Add a sentence to read as follows: The device that controls the operation of the motor for an electrically operated pool cover shall be located so that the operator has full view of the pool. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194.4; filed Aug 14, 2002, 4:20 p.m.: 26 IR 15*)

**675 IAC 14-4.2-194.5 Section E4106.12.2; permanently wired radiant heaters**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194.5. After the second sentence, delete the period and insert “unless otherwise approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194.5; filed Aug 14, 2002, 4:20 p.m.: 26 IR 15*)

**675 IAC 14-4.2-194.6 Section E4201.2; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194.6. Before the definition of Class 2 circuit, insert “ABANDONED CLASS 2 CABLE” and its definition to read as follows: Installed Class 2 cable that is not terminated at equipment and not identified for future use with a tag. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194.6; filed Aug 14, 2002, 4:20 p.m.: 26 IR 15)*

**675 IAC 14-4.2-194.7 Section E4201.3; spread of fire or products of combustion**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194.7. Add a new section E4201.3 to the end of section E4201 to read as follows: E4201.3 Spread of fire or products of combustion. The accessible portion of abandoned Class 2 cables shall not be permitted to remain. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194.7; filed Aug 14, 2002, 4:20 p.m.: 26 IR 15)*

**675 IAC 14-4.2-195 Chapter 43; referenced standards**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 195. Delete in the first paragraph of CHAPTER 43 “Section 102.4” and substitute to read as follows: SECTION R102. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-195; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-196 Appendix A; sizing and capacities of gas pipe**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 196. Delete APPENDIX A. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-196; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-197 Appendix B; sizing of venting systems serving appliances equipped with draft hoods, Category 1 appliances, and appliances listed for use and Type B vents**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 197. Delete APPENDIX B. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-197; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-198 Appendix C; exit terminals of mechanical draft and direct-vent systems**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 198. Delete APPENDIX C. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-198; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

**675 IAC 14-4.2-199 Appendix D; recommend procedure for safety inspection of an existing appliance installation**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 199. Delete APPENDIX D. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-199; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-200 Appendix E; manufactured housing used as dwellings**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 200. (a) Change section AE101 to read as follows: These provisions shall be applicable only to a manufactured home or mobile home used as a dwelling unit on privately owned (nonrental) lots and shall apply to the following:

1. Construction or alteration of any foundation system which is necessary to provide for the installation of a manufactured home unit.
2. Construction, installation, addition, or alteration of the building service equipment which is necessary for connecting manufactured homes to water, fuel or power supplies, and sewage systems.
3. Alterations or additions to existing manufactured homes.

The construction, alteration, and use of accessory buildings and structures and their building service equipment shall comply with the applicable requirements of the Indiana One and Two Family Dwelling Code (675 IAC 14).

These provisions shall not be applicable to the design and factory construction of manufactured homes nor shall they be deemed to authorize either modifications or additions to manufactured homes.

(b) Change subsection AE102.1 to read as follows: Manufactured homes and their building service equipment to which additions or alterations are made shall comply with all of the applicable requirements of the Indiana One and Two Family Dwelling Code (675 IAC 14), for new facilities.

(c) Change the title and text of subsection AE102.2 to read as follows: AE102.2 Additions. Additions made to a manufactured home shall conform to the requirements of this code and all other applicable Indiana codes. Additions shall be structurally independent from the manufactured home.

EXCEPTION: Structural independence need not be provided when structural calculations are approved by the building official or when the manufacturer of the manufactured home accepts the structural change that does not provide structural independence.

(d) Add subsection AE102.2.1 to read as follows: AE102.2.1 Alterations. Alterations may be made to any manufactured home or to its building service equipment without requiring the existing manufactured home or its building service equipment to comply with all the requirements of these provisions, provided the alteration or additions conform to that required for new construction, and provided further that no hazard to life, health, or safety will be created by such additions or alterations.

(e) Delete subsection AE102.3 without substitution.

(f) Change subsection AE102.4 to read as follows: The use or occupancy of any manufactured home shall not be changed unless evidence is provided to show compliance with the applicable rules of the Fire Prevention and Building Safety Commission for the new use or occupancy and be released for construction when required by the General Administrative Rules (675 IAC 12).

(g) Delete AE102.5 without substitution.

(h) Change subsection AE301.1 to read as follows: Where required by local ordinance, a manufactured home shall not be installed or altered without first obtaining a permit.

(i) Change the title and text of subsection AE301.2 to read as follows: AE301.2 Additions and alterations to a manufactured home. Where required by local ordinance, a permit shall be obtained to alter, remodel, or add accessory buildings or structures to a manufactured home.

(j) Delete subsection AE301.3 without substitution.

(k) Delete subsection AE301.4 without substitution.

(l) Delete section AE302 without substitution.

(m) Delete section AE303 without substitution.

(n) Delete section AE304 without substitution.

(o) Delete section AE305 without substitution.

(p) Delete section AE306 without substitution.

(q) Delete section AE307 without substitution.

(r) Change section AE402 to read as follows: Manufactured homes and their accessory buildings shall be located on the

property in accordance with the applicable sections of the Indiana One and Two Family Dwelling Code (675 IAC 14) and the ordinances of the jurisdiction in which the home is sited.

(s) Change the exception in subsection AE501.1 to read as follows: EXCEPTION: When specifically approved by the building official, foundation and anchoring systems which are constructed in accordance with the methods specified in Section A600 of this code.

(t) Change subsection AE502.5 to read as follows: Provisions shall be made for the control and drainage of surface water away from the manufactured home in accordance with Section 401.3 of this code.

(u) Change subsection AE504 to read as follows: Accessory buildings shall not be structurally supported by, or attached to, a manufactured home unless engineering calculations to substantiate any proposed structural connections are approved by the building official.

(v) Change section AE505 to read as follows: The alteration, replacement, or addition to the building service equipment, other than that required for the initial installation of the manufactured home, shall conform to the regulations set forth in this code.

(w) Delete subsection AE506.2 without substitution.

(x) Change subsection AE507 to read as follows: Alterations made to a manufactured home subsequent to its initial installation shall conform to the occupancy, fire safety, and energy conservation requirements set forth in, or referenced by, the applicable rules of the Fire Prevention and Building Safety Commission.

(y) Change subsection AE604.3 to read as follows: All anchoring equipment exposed to weathering shall have a resistance to weather deterioration at least equivalent to that provided by a coating of zinc on steel of not less than six hundred twenty-five thousandths (0.625) ounces per square foot on each side of the surface coated. Slit or cut edges of zinc-coated steel strapping do not need to be zinc. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-200; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-201 Appendix F; radon control methods**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 201. Delete APPENDIX F. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-201; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-202 Appendix G; swimming pools, spas, and hot tubs**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 202. Delete APPENDIX G and substitute to read as follows: See the Indiana Swimming Pool Code (675 IAC 20). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-202; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-203 Appendix H; patio covers**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 203. Delete APPENDIX H. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-203; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-204 Appendix I; private sewage disposal**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 204. Delete APPENDIX I. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-204; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-205 Appendix J; existing buildings and structures**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 205. Delete APPENDIX J and substitute to read as follows: See the General Administrative Rules (675 IAC 12) and local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-205; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**675 IAC 14-4.2-206 Appendix K; sound transmission**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 206. Delete Appendix K. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-206; filed May 23, 2001, 4:02 p.m.: 24 IR 3066; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

**ARTICLE 15. INDUSTRIALIZED BUILDING SYSTEMS**

**Rule 1. Special Administrative Rules for Industrialized Building Systems and Mobile Structures**

**675 IAC 15-1-1 Title; purpose; applicability; availability**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14; IC 22-15-4-4

Sec. 1. (a) This rule shall be known as Special Administrative Rules for Industrialized Building Systems and Mobile Structures.

(b) The purpose of this rule is to provide a method for a manufacturer of industrialized building systems and mobile structures to obtain a plan review, in-plant inspection, and certification through a centralized regulatory authority, and acceptance of manufactured systems without local inspection. Industrialized building systems and mobile structures, because of the manner of their construction and assembly, may present hazards to the life and safety of persons and to the safety of property unless properly manufactured. Therefore, it is the purpose of this rule to provide protection to the public against these hazards.

(c) This rule applies to all industrialized building systems for use and mobile structures for sale or use in the state of Indiana with the following exceptions:

(1) Manufactured homes as defined in 42 U.S.C. 5402.

(2) Industrialized building systems or mobile structures certified under an agreement made pursuant to IC 22-15-4-4.

(3) Construction trailers.

(d) The rules of the commission shall apply as specified in Table 1A in section 8.1 of this rule. The Indiana seal of acceptance shall be applied as required by this rule in conformance with Table 1A in section 8.1 of this rule.

(e) This rule is available for purchase from the Indiana Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-1; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1969, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 319; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1010; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-2 Definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12-1; IC 22-14; IC 25-4; IC 25-31; IC 32-1-6-2

Sec. 2. (a) The definitions in this section apply throughout this rule.

(b) "Addendum" means an addition of information or revisions to a released system plan.

(c) "Building official" means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce building safety rules of the commission.

(d)(1) "Class 1 structure" means any part of the following:

(A) A building or structure that is intended to be or is occupied or otherwise used in any part by any of the following:

(i) The public.

(ii) Three (3) or more tenants.

(iii) One (1) or more persons who act as the employees of another.

(B) A site improvement affecting access by persons with a physical disability to a building or structure described in clause (A).

(2) Subdivision (1)(A) includes a structure that contains three (3) or more condominium units (as defined in IC 32-1-6-2) or other units that:

(A) are intended to be or are used or leased by the owner of the unit; and

(B) are not completely separated from each other by an unimproved space.

(3) Subdivision (1)(A) does not include a building or structure that:

(A) is intended to be or is used only for an agricultural purpose on the land where it is located; and

(B) is not used for retail trade.

(4) Subdivision (1)(A) does not include a Class 2 structure.

(5) Subdivision (1)(A) does not include a vehicular bridge.

(e)(1) "Class 2 structure" means any part of the following:

(A) A building or structure that is intended to contain or contains only one (1) dwelling unit or two (2) dwelling units unless any part of the building or structure is regularly used as a Class 1 structure.

(B) An outbuilding for a structure described in clause (A), such as a garage, barn, or family swimming pool, unless any part of the outbuilding is regularly used as a Class 1 structure.

(2) Subdivision (1) does not include a vehicular bridge.

(f) "Commission" means the fire prevention and building safety commission.

(g) "Commissioner" means the state building commissioner.

(h) "Component" means one (1), or more than one (1), part of a fabricated unit.

(i) "Construction" means the fabrication of any part of an industrialized building system or mobile structure for use at another site.

(j) "Construction trailer" means a building or structure fabricated in an off-site manufacturing facility and sited at a construction site for purposes of tool and material storage related to the project being constructed.

(k) "Design professional" means a registered architect or professional engineer who is registered under IC 25-4 or IC 25-31.

(l) "Industrialized building system" means any part of a building or other structure that is in whole or in substantial part fabricated in an off-site manufacturing facility for installation or assembly at the building site as part of a Class 1 structure, a Class 2 structure, or another building or structure. However, the term does not include a mobile structure or a system that is capable of inspection at the building site.

(m) "Late filing" means the filing of plans, specifications, and other supporting data for design release after construction has begun but prior to the manufacturer's receiving either a system design release, an addendum release, or prototype status for a particular unit or component.

(n) "Manufactured home" means a dwelling unit designed and constructed to the "National Manufactured Housing Construction and Safety Standards Act of 1974" as published by the United States Department of Housing and Urban Development.

(o) "Manufacturer's installation instructions" means instructions for the proper erection, assembly, or installation of the unit or component being produced by the manufacturer.

(p) "Mobile commercial structure" means a mobile structure consisting of two (2) or more single-story units.

(q) "Mobile home" means a dwelling unit of vehicular, portable design built prior to 1974 on a chassis and designed and intended to be moved from one (1) site to another and to be used without a permanent foundation. Indiana regulation of single family mobile homes is preempted by the "National Manufactured Housing Construction and Safety Standards Act of 1974" as published by the United States Department of Housing and Urban Development.

(r) "Mobile residential structure" means a mobile structure consisting of one (1) or more units, additions, or components erected or installed that are not preempted by the HUD "National Manufactured Housing Construction and Safety Standards Act of 1974".

(s) "Mobile structure" means any part of a fabricated unit that is designed to be towed on its own chassis and connected to

utilities for year round occupancy or used as a Class 1 structure, a Class 2 structure, or another structure. The term includes two (2) or more components that can be retracted for towing purposes and subsequently expanded for additional capacity, or two (2) or more units that are separately towable but designed to be joined into one (1) integral unit. Whenever any mobile system is placed on a permanent foundation, the mobile system shall be considered an industrialized building system.

(t) “Mobile transitory” means a mobile structure consisting of one (1) single-story unit.

(u) “Modular commercial structure” means a modular structure of one (1) or more units or enclosed panels to be used or occupied as a Class 1 structure or an accessory structure thereto, based upon the number of stories and a specific completed structure configuration.

(v) “Modular residential structure” means a modular structure of one (1) or more units or enclosed panels to be used or occupied as a one (1) or two (2) family dwelling (Class 2 structure) or an accessory structure thereto, based upon the number of stories, not to exceed three (3), and a specific completed structure configuration.

(w) “Modular structure” means an industrialized building system other than a mobile structure intended for placement upon a permanent foundation.

(x) “Panelized construction” means a type of industrialized building system in which enclosed panels for Class 1 or Class 2 structures, fabricated in an off-site manufacturing facility, contain internal components that are not readily inspectable at the building site where they are to be erected, assembled, or installed.

(y) “Permanent foundation” means any structural system capable of transposing loads from a structure to the earth at a depth below the established frost line without exceeding the safe bearing capacity of the supporting soil.

(z) “Prototype” means an industrialized building system or mobile structure product on which construction is started prior to a design release being issued by the office of the state building commissioner.

(aa) “Quality control manual” means a manual prepared by each manufacturer for its manufacturing plants and released by the office of the state building commissioner.

(bb) “Seal of acceptance” means a seal issued by the office of the state building commissioner relative to an industrialized building system or a mobile structure.

(cc) “Site construction” means the work undertaken to erect, assemble, or install any part or component of an industrialized building system or mobile structure at the site where it will be used or occupied, except the relocation of a mobile structure. Site construction is regulated by the building official.

(dd) “Skid unit” means a single-story, off-site fabricated structure that may or may not be designed to be towed on its own chassis consisting of one (1) or more components designed to the requirements for a mobile structure.

(ee) “System” means an industrialized building system or a mobile structure as set forth by IC 22-12-1.

(ff) “System plan” means the drawings, and/or specifications, and/or structural typical system plans as set forth by subsection (gg), and/or a quality control manual, and/or the manufacturer’s installation instructions, submitted to the office of the state building commissioner. A system shall be based on one (1) completed width of structure and the number of stories. Multiple lengths may be included in the system. Submitted lengths may be modified by up to an additional four feet (4’) without specification change with prior inspector approval.

(gg) “Structural safety” means the continued capability of load bearing members of a building or structure to transmit actual and design live and dead loads to a foundation or other load bearing members within the allowable working stresses of the materials or assembly of materials involved.

(hh) “Structural/typical system plan” means structural and/or typical details submitted for one (1) or more “system plans” that are to be referenced by those system plans without duplication of submittals. This submittal will be subject to all fees and required forms as a separate system plan.

(ii) “Third party inspection agency” means any qualified person authorized by the commission to conduct inspections of and issue certifications for industrialized building systems and/or mobile structures. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-2; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1970, eff. Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 320; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1010; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-3 Alternate materials, methods, and designs**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14

Sec. 3. (a) This section does not authorize a variance from any rule adopted by the commission.

(b) The rules adopted by the commission do not prevent the use of:

- (1) materials;
- (2) methods of construction; or
- (3) design procedures;

if they are not specifically prohibited in the rules and if they are approved under subsection (c) or (e).

(c) The state fire marshal and the state building commissioner may, in the review of an application for a design release, consider as evidence of compliance with the rules adopted by the commission any evaluation report that:

- (1) contains limitations, conditions, or standards for alternative materials, method of construction, or design procedures; and
- (2) is published by an:

(A) independent, nationally recognized testing laboratory; or

(B) other organization listed in subsection (d).

(d) The following organizations (with their applicable evaluation reports) are approved:

- (1) Factory Mutual Loss Prevention Data Sheets and test reports (FM).
- (2) International Organization for Standardization (ISO) (ISO standards listed by the American National Standards Institute).
- (3) International Electrotechnical Commission (IEC) (IEC standards listed by the American National Standards Institute).
- (4) Japan Industrial Standards (JIS) (which are found to be equivalent to ANSI standards).
- (5) German Institute for Standards (Deutsches Institut für Normung) (DIN) (standards which are found to be equivalent to ANSI standards).
- (6) French Standards Association (AFNOR) (standards which are found to be equivalent to ANSI standards).
- (7) Canadian Standards Association (CSA) (which are found to be equivalent to ANSI standards).
- (8) BOCA Evaluation Services, Inc., Building Officials and Code Administrators International [*sic.*, *International*] (BOCA) (research reports).
- (9) Council of American Building Officials (CABO) (National Evaluation Services (NES) evaluation reports).
- (10) ICBO Evaluation Services Inc., International Conference of Building Officials (ICBO) (ICBO Evaluation Service Inc. evaluation reports).
- (11) SBCCI Public Safety Testing and Evaluation Services, Inc., Southern Building Code Congress International (SBCCI) (compliance reports).
- (12) International Association of Plumbing and Mechanical Officials (IAPMO) (Directory of Research Recommendations).

(e) The state building commissioner may, in the review of an application for a design release, accept as evidence of compliance with the Indiana Building Code, Chapter 11, at 675 IAC 13-2.3-131, similar provisions of the ADA Accessibility Guidelines for Buildings and Facilities included as Appendix A, Standards for Accessible Design, Part 36 Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities (28 CFR 36) as published in the Federal Register on July 26, 1991, on pages 35544 through 35691. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-3; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1971, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 322; filed Mar 17, 1994, 5:00 p.m.: 17 IR 1883; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1013; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 15-1-4 Undefined terms; interpretation of rules (Repealed)**

Sec. 4. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334*)

#### **675 IAC 15-1-5 Design release for manufacture; requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14

Sec. 5. (a) It shall be unlawful for any person, firm, or corporation to commence production of an industrialized building system or mobile structure or cause the same to be done without first obtaining one (1) of the following:

- (1) A system design release for manufacture from the office of the state building commissioner.
- (2) An addendum release to a previously released system.
- (3) Prototype status for the product being produced.

(b) Written notification from the manufacturer of a prototype unit must be made to the office of the state building commissioner ten (10) days prior to the start of the prototype and shall include the following information:

- (1) Projected start and finish dates.
- (2) Model number.
- (3) Serial number.
- (4) Production plant location.
- (5) Inspection agency.

(c) A representative of the office of the state building commissioner or an authorized third party inspection agency shall inspect each major portion of work on the prototype prior to concealment of that portion.

(d) The manufacturer shall be responsible for making any revisions or corrections to the prototype should the actual construction of the unit be noncompliant with the code.

(e) The prototype shall not be removed from the place of manufacture until a design release has been obtained from the office of the state building commissioner and the Indiana seal of acceptance has been applied to the product in accordance with section 11 of this rule.

(f) When inspections are provided by a representative of the office of the state building commissioner and these inspections require reinspection visits to the facility over and above a single inspection, a reinspection fee will be charged. See fee schedule for reinspection fee. An out-of-state manufacturer of a prototype will be charged for travel as per fee schedule. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-5; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1972, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 324; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1014; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 15-1-6 Applications**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14

Sec. 6. (a) To obtain a system design release for manufacture, the applicant shall first file a completed application for system document review which shall be furnished by the office of the state building commissioner. Each such application shall:

- (1) Identify the type of industrialized building system or mobile structure system based on the classification shown in section 8.1, Table 1A of this rule.
- (2) Indicate the use or occupancy.
- (3) Be accompanied by a minimum of two (2) sets of plans, diagrams, computations, specifications, and other data as required by the office of the state building commissioner and as referenced in section 7 of this rule, or a computer disk containing the same information for construction detail, which disk shall be system compatible with the system used by the office of the state building commissioner. Should the system being submitted be constructed in more than one (1) manufacturing facility, an additional set of construction detail documents shall be submitted for each facility.
- (4) Be signed by the manufacturer's representative in each facility producing under that release, and, if utilized, identify the third party inspection agency.
- (5) Be signed by a design professional if the completed structure exceeds thirty thousand (30,000) cubic feet.
- (6) Specify the name, address, and telephone number for the office of the manufacturer and of each facility producing under that release.
- (7) Be accompanied by the applicable fees as set forth by section 22 of this rule.
- (8) Include the quality control manual as set forth by subsection (f).
- (9) Additional information as may be needed to substantiate claims that the proposed construction will comply with the rules of the commission.

(b) System design release shall be evidenced by written notification from the commissioner.

(c) Any additions or revisions to plans, quality control manual, specifications, and manufacturer's installation instructions must be filed as an addendum to an existing system and released by the office of the state building commissioner prior to construction of every new industrialized building system or mobile structure offered for sale or use in the state.

(d) A late filing fee charged by the office of the state building commissioner as shown on the fee schedule in section 22 of this rule shall be imposed when:

- (1) construction work has begun on an industrialized building system or mobile structure prior to the release of the required

documentation for its review and release; or

(2) the manufacturer fails to submit a written request to the office of the commissioner for prototype.

(e) One (1) set of the documents required by subsection (a)(3) is to be stamped as released for closed wall construction and retained by the office of the state building commissioner and one (1) stamped set will be returned to each manufacturing facility identified on the application form as producing units under that system, which shall be maintained at the manufacturing facility at all times for use by the inspecting agency. When a computer disk is used for construction detail, a duplicate disk is to be retained by the office of the state building commissioner, and a disk shall be delivered to the industrialized building systems/mobile structure inspector or the authorized third party inspection agency who shall retain control and responsibility for the disk in a secured location and who shall limit access to only inspectors authorized by the office of the state building commissioner.

(f) The manufacturer shall be responsible for implementation of the quality control program, including any corrective actions necessary. A quality control manual shall be required for each manufacturing facility producing units or components under the release. The manual shall outline the company's program for quality control and compliance assurance within each manufacturing facility, including, but not limited to, the following:

(1) Location map for the plant.

(2) A general plant layout diagram indicating the various stations or areas where the units or components are to be produced as well as material storage areas and office or administration areas.

(3) A general description of the in-plant procedures of quality control, including who is performing the quality control and how routine quality control is performed.

(4) A general description of what corrective actions are to be taken and who is responsible for the implementation of such corrections.

(5) A general description of testing procedures and equipment used to perform tests in areas such as plumbing and electrical to assure compliance with the released construction documents and the applicable Indiana rules. Also to be included are who performs these tests and at what station or locations the tests are performed.

(6) A sample data plate as described in section 16 of this rule.

(7) A statement certifying that an Indiana seal of acceptance issued by the office of the state building commissioner will not be attached to an industrialized building system or mobile structure that does not conform to the applicable requirements as shown in section 8.1, Table 1A, of this rule.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-1-6; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1972, eff Jun 15, 1986; errata, 9 IR 2931; filed Sep 13, 1988, 2:33 p.m.: 12 IR 324; filed Mar 17, 1994, 5:00 p.m.: 17 IR 1885; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1015; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 15-1-7 Plans; specifications; requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3; IC 22-12-7-7; IC 22-13-2-11; IC 22-14

Sec. 7. (a) Plans, specifications, and other supporting data shall be sufficiently clear and complete to show in detail that the proposed work will comply with the requirements of the rules of the commission. A minimum of two (2) complete sets of documentation for each system as required by section 6 of this rule shall be submitted, and they shall include at least the following:

(1) All the requested documentation and information shall be submitted on a computer disk or organized, indexed, tabbed, and bound in loose leaf binders (eight and one-half (8½) inch by eleven (11) inch format), including addendum information. All binders shall bear the manufacturer's name on the front and the bound edge. NOTE: A maximum of six (6) addenda may be made to a system before the system plans must be resubmitted.

(2) All plans and specifications shall indicate the manufacturer's name, office address, and name and address of each manufacturing facility listed to build the approved system.

(3) Dimensioned floor plans, drawn to scale, with room identification.

(4) Wall elevations of all exterior walls.

(5) Cross sections and details of walls, floors, and roof construction showing dimensions and materials.

(6) Structural plans and elevations showing size and location of all structural members, truss designs, and frames (where applicable) showing connection details, and all stress calculations if specifically requested, to insure structural safety. Structural and/or typical details for more than one (1) system may be referenced by the systems without duplication. A

separate structural typical submission will be subject to all fees and required forms as a system, see structural typical system plans definition, as set forth by section 2(hh) of this rule.

- (7) Details showing how required structural and fire-resistive integrity are maintained where wall, floor, and ceiling penetrations are made for electrical, plumbing, and communication systems, as required.
- (8) Room finish schedule showing finishes for walls, ceilings, and floors in all rooms, stairways, and corridors.
- (9) Door schedule showing material, size, thickness, hardware, and fire rating for all doors, if required.
- (10) Window schedule including light, vent, egress, safety glazing, and hardware information, where applicable.
- (11) Construction specifications. (May be on design drawings.)
- (12) Electrical plans, diagrams, details of electrical service equipment.
- (13) Plumbing plans showing fixture location, risers, drains, and piping isometrics, including sizes and materials.
- (14) Mechanical plans showing location and sizes of equipment and sizes and material of ducts.
- (15) Energy conservation design criteria, including exterior envelope component materials, "U" values of the envelope system, "R" values of insulation materials, size and type of apparatus, and equipment and system controls.
- (16) Accessibility for persons with a physical disability, including access to the building, any interior ramps with slope dimensions, restroom layouts showing clearances, grab bars, door swings, and door sizes.
- (17) Fire protection systems, including automatic sprinklers, fire pumps, detection and alarm systems, emergency power, and communication systems.
- (18) Additional information as may be needed to substantiate claims that the proposed construction will comply with the rules of the commission.

A design professional shall be required to verify all Class 1 structures if the completed structure exceeds thirty thousand (30,000) cubic feet, including the attic space, and may be required by the office of the state building commissioner to certify engineered components as may be needed to substantiate claims that the proposed construction will comply with the rules of the commission.

(b) The office of the state building commissioner shall consider applications for design releases and plans and specifications filed under this rule in conjunction with the office of the state fire marshal and the following:

- (1) No design release shall be issued unless:
  - (A) section 6 of this rule has been complied with by the applicant; and
  - (B) the plans and specifications submitted with the application have been reviewed by the office of the state building commissioner for compliance with the rules of the commission;
  - (C) the plans and specifications submitted with the application have been presented to the office of the state fire marshal and approved in writing by the office of the state fire marshal.
- (2) Subsequent to the filing of an application, the applicant may be requested to submit additional information or documents to place the application in compliance with section 6 of this rule or to modify the plans and specifications in order to place them in compliance with the rules of the commission. If the applicant has not done so within thirty (30) days following the date of request, the design release shall be subject to denial by the state building commissioner.
- (3) The order granting or denying a design release shall be issued by the office of the state building commissioner following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.
- (4) Prior to the issuance of an order by the office of the state building commissioner under subdivision (3), a meeting between the executive director of the department, the state building commissioner, and the state fire marshal may be called by the executive director of the department:
  - (A) upon request of the state building commissioner or the state fire marshal, if the state building commissioner and the state fire marshal cannot agree on the issuance of a design release; or
  - (B) upon request of the applicant for the design release, if the office of the state building commissioner and the office of the state fire marshal have not acted to issue or deny the design release within a reasonable time after the application is submitted to the office.
- (5) At a meeting called under subdivision (4), the executive director of the department, the state building commissioner, and the state fire marshal shall review the application for a design release and shall, by majority vote, issue a final decision. Said order shall be issued following the requirements of IC 4-21.5-3-4 and shall eliminate the need for an order to be issued under subdivision (3). If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

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(c) An applicant may request consultation with representatives of the office of the state building commissioner and the office of the state fire marshal for the purpose of resolving questions on the application of the rules of the commission with regard to a specific design release. The results of any such consultations shall not be binding on said offices in the consideration of an application for a design release and in no way serve as a substitute for the authority of the commission to grant variances pursuant to IC 22-13-2-11.

(d) Submitted construction documents shall be reviewed in detail by the office of the state building commissioner for compliance with the rules of the commission. However, such review will not relieve the manufacturer of the responsibility to conform with all applicable Indiana rules in the design and manufacture of the industrialized building system or mobile structure.

(e) In order to facilitate the issuance of design releases when the plan review process finds omissions or items contrary to the rules of the commission, but which will not impact overall safety, conditional design releases may be issued without the need for further or corrected plans and specifications being filed. Such conditions shall be binding unless a petition for review is filed under subsection (b).

(f) All design, specification, or construction process changes that affect a released system shall be filed by the manufacturer in the same manner as required for filing an application for release for manufacture. Additions or revisions to the construction details, the structural/typical system plan, the quality control manual, or the manufacturer's installation instructions may be submitted to the office of the commissioner as an addendum to an existing system. A maximum of six (6) addenda may be made to a system plan before the system plan must be resubmitted. An addendum shall include any pertinent information as described in *[sic., in]* section 6(a) of this rule. (See "System plans" or "Addendum" in section 2 of this rule.)

EXCEPTIONS: (1) A total length of up to four (4) feet may be added to, or deleted from, a released system floor plan without necessitating resubmittal and release. This change may be made anywhere within the floor plan provided all other applicable code requirements are met and such changes in length are addressed within the released manufacturer's installation instructions. Among these code requirements are the minimum for natural light, natural ventilation, and emergency egress requirements as well as established minimum room sizes.

(2) Plumbing fixtures and bathrooms may be deleted from a released floor plan without necessitating resubmittal and release, provided the minimum code requirements are met by the resulting floor plan configuration.

(g) A system design release from the office of the state building commissioner shall be valid for production of units in the plant facilities described on the application so long as the following conditions are met:

(1) The released documentation accurately describes both the processes being utilized and the product being constructed.

(2) The applicable rules as set out in section 8.1, Table 1A, of this rule have not been updated.

(h) The following are requirements concerning sanctions:

(1) Under IC 22-12-7-7, the state building commissioner may impose a sanction concerning any type of design release previously issued. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(2) The state building commissioner may impose an appropriate sanction whenever one (1) or more of the following exist:

(A) The state building commissioner determines that the design release was obtained by fraudulent or misleading statements or information including information on plans and specifications.

(B) Circumstances have materially changed since a design release was granted so that if the sanction is not imposed, public health, safety, or welfare will be adversely affected.

(C) The construction done subsequent to the issuance of the design release is contrary to the rules of the commission.

(D) A check paying an applicable fee is returned, for any reason.

(E) The design release was issued in error, on the basis of incorrect information, or in violation of a rule of the commission or a building law.

(3) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-1-7; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1972, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 325; filed Mar 17, 1994, 5:00 p.m.: 17 IR 1885; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1016; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 15-1-8 Table No. 1A (Repealed)**

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334)*

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**675 IAC 15-1-8.1 Table No. 1A**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14

Sec. 8.1. Table No. 1A. This table provides for the applicable codes for the design and construction of industrialized buildings and mobile structures.

Indiana Building Code (675 IAC 13)

Indiana Building Code (675 IAC 13) accessibility chapter

Indiana One & Two Family Dwelling Code (675 IAC 14)

Indiana Plumbing Code (675 IAC 16)

Indiana Electrical Code (675 IAC 17)

Indiana Mechanical Code (675 IAC 18)

Indiana Energy Conservation Code (675 IAC 19)

Indiana Mobile Structures Code (675 [675 IAC 15])

TABLE NO. 1A  
TOPICS OF REGULATION

TYPE OF INDUSTRIALIZED BUILDING SYSTEM OR MOBILE STRUCTURE	OCCUPANCY	EXITING	STRUCTURAL	ELECTRICAL	PLUMBING	MECHANICAL	ENERGY	SEAL OF ACCEPTANCE	HANDICAPPED ACCESSIBILITY
MODULAR STRUCTURE—RESIDENTIAL (1), (5), (6) one or two family detached dwelling	Indiana 1 & 2 Family Dwelling Code (3)	Indiana (3) 1 & 2 Family Dwelling Code	Indiana 1 & 2 Family Dwelling Code	Indiana Energy Conservation Code	Modular	No Requirements			
MODULAR STRUCTURE—COMMERCIAL (5) All other than modular system residential	Indiana Building Code	Indiana Building Code	Indiana Building Code	Indiana Electrical Code	Indiana Plumbing Code	Indiana Mechanical Code	Indiana Energy Conservation Code	Modular (1)	Indiana Accessibility Code
MOBILE STRUCTURE—RESIDENTIAL All other than HUD Manufactured Homes	Indiana Mobile Structures Code	Indiana Mobile Structures Code	Indiana Mobile Structures Code	Indiana (4) Mobile Structures Code	Mobile	No Requirements			
MOBILE STRUCTURE—COMMERCIAL (Multiple Components) All other than mobile system residential	Indiana Building Code	Indiana Building Code	Indiana Mobile Structures Code	Indiana Electrical Code	Indiana Plumbing Code	Indiana Mechanical Code	Indiana Energy Conservation Code	Mobile	Indiana Accessibility
MOBILE STRUCTURE—COMMERCIAL TRANSITORY (Single Components)	Indiana Mobile Structures Code	Indiana (2) Mobile Structures Code	Indiana Mobile Structures Code	Indiana (4) Mobile Structures Code	Mobile	No Requirements			

(1) Townhouse units care *[sic., are]* Class 1 structures but are subject to the requirements of the Indiana One and Two Family Code.

(2) Mobile structure commercial transitory plumbing system shall conform to the Indiana Plumbing Code when the installation of any single type of fixture (toilet, lavatory, etc.) exceeds one.

(3) Indiana Plumbing Code and Indiana Electrical Code may be used in lieu of the plumbing and electrical sections, respectively of Indiana 1 & 2 Family Dwelling Code.

(4) Indiana Energy Code may be used in lieu of the Indiana Mobile Structures Code for energy requirements.

(5) Closed construction, panelized commercial construction shall be subject to the same regulations as a modular structure-commercial.

(6) Closed construction, panelized residential *[sic., residential]* construction shall be subject to the same regulations as a modular structure-residential.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-1-8.1; filed Sep 13, 1988, 2:33 p.m.: 12 IR 327; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1018; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 15-1-9 Reciprocity; agreements with other states (Repealed)**

Sec. 9. (Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334)

**675 IAC 15-1-10 Enforcement; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 25-4; IC 25-31

Sec. 10. (a) No industrialized building system or mobile structure may be offered for sale or used within the state of Indiana without an Indiana seal of acceptance affixed to it. The office of the state building commissioner shall administer and enforce the rules of the commission for the design and construction of all industrialized building systems and mobile structures.

(b) Work performed at the project site relative to the permanent erection, assembly, or installation of industrialized building systems or mobile structures shall be subject to inspection and approval by the local building official. Inspection at the site by the local building official shall be limited to construction performed at the site.

(c) A mobile structure shall be installed in accordance with the manufacturer's installation instructions, or, where not available, the installation shall be approved by a design professional registered in Indiana.

(d) Third party inspection agencies authorized under section 19 of this rule may be utilized in lieu of the office of the state building commissioner for in-plant inspection. The office of the state building commissioner shall monitor the performance of such third party inspection agencies as necessary. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-10; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1975, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 329; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1019; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-11 Issuance of seal acceptance**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. (a) Upon application and release of the plans and specifications, the seal of acceptance will be available for purchase by the company manufacturing the unit from the office of the state building commissioner for each unit offered for sale or used in the state of Indiana. The seal of acceptance shall be forwarded to the industrialized building system/mobile structure inspector or the authorized third party inspection agency who shall retain control and responsibility for each seal in a secured location with access limited to inspectors authorized by the office of the state building commissioner until such time as the unit for which that seal is to be assigned has been inspected and found in compliance. The inspector shall perform an inspection of at least one (1) portion of each unit for sale or use in Indiana in order that such units be qualified for a seal.

(b) Prior to departure from the manufacturing facility, a seal of acceptance shall be affixed to each completed and approved industrialized building system or mobile structure unit, as applicable. It shall be affixed to the electrical service panel door or, for units which contain no electrical service panel, in another approved location as indicated in the system plan. A monthly record of used seal numbers shall be supplied to the office of the state building commissioner by each manufacturer on a form acceptable to the office.

(c) Fees for inspection services as set forth by section 22 of this rule shall accompany each application for a seal of acceptance. The seal of acceptance shall not be obtained from any source other than the office of the state building commissioner. Application forms shall be furnished by the office of the state building commissioner.

(d) All industrialized building systems or mobile structures bearing the seal of acceptance shall be conclusively deemed to comply with the requirements of all ordinances and regulations of any local government which are applicable to such structures. If a seal of acceptance becomes mutilated or damaged, replacement may be furnished upon presentation of the damaged seal to the office of the state building commissioner. Seals of acceptance unaccounted for are not replaceable, and a written explanation of the loss shall be forwarded by the owner or manufacturer of the unit to the office of the state building commissioner.

(e) When an industrialized building system or mobile structure is found to be in noncompliance, all noncompliance items shall be corrected before the seal of acceptance can be applied. If the noncompliance is of such magnitude that immediate correction cannot be made, a STOP WORK or VIOLATION-DO NOT MOVE notice, as applicable, may be posted on the system by the inspector, as stated in section 13 of this rule. If the seal of acceptance has been applied, it may be removed and destroyed by the inspector and the manufacturer shall be notified immediately. If a new seal is required, it shall be purchased and assigned to the unit after noncompliance items have been corrected.

(f) All construction materials and equipment in stock which are to be used by the manufacturer in the construction of industrialized building systems or mobile structures may be inspected periodically, without notice, with results of such inspection recorded in the same manner as regular inspection of the systems.

(g) The office of the state building commissioner or an authorized third party agency shall inspect a phase of construction of every industrialized building system or mobile structure. Labeling and delivery records from each manufacturing facility seeking inspection and labeling shall be reviewed in order to verify the adequacy of the quality control, construction, and inspection programs.

(h) The manufacturer shall certify in an affidavit that a seal provided by the office of the state building commissioner will not be attached to an industrialized building system or a mobile structure that does not conform to the requirements adopted by the commission in its rules.

(i) The order granting or denying the issuance of a seal shall be issued by the office of the state building commissioner following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

(j) Substitution of any seal of acceptance in lieu of the Indiana seal of acceptance on units or components to be used within Indiana shall be grounds for sanction against the inspector and or the manufacturer.

(k) Any unused Indiana seals purchased by a company that no longer manufactures industrialized building systems or mobile structures shall be returned to the office of the state building commissioner. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-11; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1975, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 329; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1019; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-12 Inspections; travel expenses; sanctions**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12-7-7; IC 22-13; IC 22-14; IC 22-15

Sec. 12. (a) An inspection frequency other than that required by section 11 of this rule will depend upon the adequacy of the manufacturer's quality control program. The office of the state building commissioner or authorized third party inspection agency will consider the quality control procedure in establishing a specific inspection procedure for each manufacturer. If the office of the state building commissioner determines that the inspection frequency does not provide adequate control, the office may place the manufacturer on provisional status requiring increased inspection of units in production to a more frequent level to assure compliance with the rules of the commission. This provisional status shall continue until such time as the manufacturer demonstrates capability to comply with the rules of the commission as determined by the office of the state building commissioner. Fees for additional inspections under a provisional status performed by the office of the state building commissioner shall be charged as "reinspections" under the fee schedule (section 22 of this rule).

(b) Representatives of the office of the state building commissioner may travel for any purpose relative to enforcement of this rule. Manufacturers shall reimburse the office of the state building commissioner for actual expenses incurred per the fee schedule (section 22 of this rule).

(c)(1) Under IC 22-12-7-7, the state building commissioner may impose a sanction concerning any seal of acceptance previously issued. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(2) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-12; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1976, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 330; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1020; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-13 Stop work**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. (a) Whenever any work is found to be in noncompliance to the rules of the commission, or whenever satisfactory progress is not being made in correcting work ordered by the office of the state building commissioner or the authorized third party agency, the office of the state building commissioner or any authorized third party authority can order the work stopped on the

portion deemed to be in violation by posting a "STOP WORK" or "VIOLATION-DO NOT MOVE" notice on the affected industrialized building system or mobile structure.

(b) No person, firm, or corporation shall continue any work on a stopped project, or portion thereof, other than corrective work ordered by the office of the state building commissioner or an authorized third party agency.

(c) No person shall remove, obscure, or mutilate a posted "NOTICE" as stated in this section. "Notice" shall only be removed by authorized personnel of the office of the state building commissioner. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-13; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1976, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 330; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1020; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-14 Right of entry**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 14. No person or firm manufacturing industrialized building systems or mobile structures shall prevent the office of the state building commissioner or its authorized representative from conducting announced or unannounced inspections at any reasonable hour. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-14; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1976, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 331; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1021; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-15 Insurance (Repealed)**

Sec. 15. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334*)

**675 IAC 15-1-16 Manufacturer's data plate**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. The manufacturer's data plate shall be installed on each completed industrialized building system or mobile structure in a permanent manner near the main electrical panel or other approved location as identified in the system plan. The following information shall appear on an approximate four (4) inch by six (6) inch data plate with contrasting lettering:

- (1) The manufacturer's name and address, and that of the manufacturing point of origin, if different.
- (2) Serial number and model number of the industrialized building system or mobile structure and date the production was completed.
- (3) Electrical system: amperage of the panel; current cycle, and phase, number of circuits, and voltage.
- (4) Capacities and fuel used for the water heater, furnace, and air conditioner, if applicable.
- (5) Pressure at which the potable water and DWV plumbing system was tested.
- (6) Roof, floor, seismic, and wind loads (lbs./sq. ft.) design requirements.
- (7) Titles of building codes used for design and construction.
- (8) Reference to the directions to be used for assembling two (2) or more units which shall be furnished with the industrialized building system or mobile structure.
- (9) Energy conservation and accessibility requirements as applicable.
- (10) Identification of inspection authority, to include state and third party identification number.
- (11) Special instructions.

No additional information other than the above shall be allowed on the data plate. Additional information may be provided on separate attachment. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-16; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1976, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 331; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1021; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-17 Relationships; state, manufacturers, third parties**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 17. (a) If a manufacturer wishes to change inspection agency from the office of the state building commissioner to an authorized third party inspection agency, the office of the state building commissioner shall be advised accordingly in writing at least ten (10) working days prior to such change with the effective date of change stated by the manufacturer. Immediately upon the change taking place, information from the manufacturer shall be provided to the office of the state building commissioner to include the date and serial number of the last unit or component inspected by the departing inspector and the date and serial number of the first unit or component to be inspected by the incoming inspector. The office of the state building commissioner shall then withdraw its assigned personnel, and said facility shall become the responsibility of the third party agency subject to periodic unannounced monitoring/inspection by the office of the state building commissioner.

(b) If a manufacturer wishes to change inspection agency from a third party inspection agency to the office of the state building commissioner, the manufacturer shall advise the office of the state building commissioner by at least ten (10) working days prior to the termination of the third party agency with the effective date of the change. Immediately upon the change taking place, the office of the state building commissioner and the third party agency shall be advised accordingly in writing by the manufacturer with the following information:

- (1) Listing of all system plans affected.
- (2) Manufacturing facilities involved, and serial number of the last unit inspected by the departing inspector, and the first unit by the incoming inspector.
- (3) Assurance that affected system plans are the property of the manufacturer and that construction will continue without deviation.
- (4) Statement that, should deviation occur, the manufacturer shall accept full responsibility without recourse or cause against the former third party agency.
- (5) Copy of the termination notification to the third party agency.

Upon receipt of the information requested, the office of the state building commissioner will commence inspection duties as required.

(c) All third party inspection agencies shall be approved by the commission and shall receive written confirmation of such approval by the commission prior to their assumption of duties. The third party agency shall thereafter become responsible to conduct inspections to determine the manufacturer's conformance of the manufacturer's product to the rules of the commission. Every manufacturer that utilizes the services of a third party inspection agency shall be responsible for providing access for that agency to all approved submission documents from the office of the state building commissioner relative to each industrialized building system or mobile structure being inspected. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-17; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1977, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 331; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1021; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-18 Failure of completed industrialized building systems to comply (Repealed)**

Sec. 18. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334*)

**675 IAC 15-1-19 Third party inspection agency authorization; application**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 19. (a) A third party inspection agency may make application to the commission requesting authorization to provide their services in Indiana as follows:

- (1) Applications shall be submitted in writing no later than thirty (30) days prior to a commission meeting and shall be accompanied by a check made payable to the fire and building services department in the amount of the fee prescribed in the fee schedule (section 22 of this rule).
- (2) The following information, where applicable, shall be submitted by the applicant to assist in evaluating possible conflicts

of interest:

- (A) The names, addresses, and business affiliations of the management personnel.
- (B) Any information the commission may request regarding related financial interests.
- (C) A design professional shall hold a position of authority within the applicant's organization. For the applicant to be considered qualified to preempt local inspection on industrialized building systems or mobile structures, the applicant must be neither affiliated with, nor influenced nor controlled by any building manufacturer, vendor, or other supplier of products or equipment used in industrialized building systems or mobile structure systems, in any manner which might affect his or her capacity to render reports of the findings objectively and without bias.
- (D) A third party inspection agency may be judged free of such affiliation, influence, and control if it meets the following conditions:
  - (i) Has no managerial affiliation with building manufacturers, producers, suppliers, vendors of products or equipment used in industrialized building systems or mobile structures, and is not engaged in the sale or promotion of any such product or material.
  - (ii) The results of its work accrue no financial benefits to the applicant via stock ownership, and the like, of any producers, suppliers, or vendors of the products involved. Standard published fees paid for services rendered are exempted.
  - (iii) Its directors or other management personnel receive no stock option or other financial benefit from any building manufacturer, producer, supplier, vendor of products or equipment used in industrialized building systems or mobile structures. Standard published fees paid for services rendered are exempted.
  - (iv) The employment security status of its personnel is free of influence or control by any building manufacturer, producer, supplier, or vendor of products or equipment used in industrialized building systems or mobile structures.

(3) The following information shall be submitted and maintained in a current status to assist in the evaluation of qualifications:

- (A) Name(s), years of experience, other states in which registered, and other pertinent qualifications.
- (B) An organization table of management and supervisory personnel.
- (C) Names and qualifications of any individuals serving on advisory panels that assist the applicant in its policy making with relation to the public interest.
- (D) Names of manufacturers with whom the applicant has had experience in inspection/evaluation. Give the number of years of experience the applicant has had with each.
- (E) Names of all architects, engineers, technicians, and other personnel who are not employees of the applicant, but who have supervisory and/or contractual relationships with him; outline for each service provided.

(b) If changes occur to the information submitted by the third party inspection agency for evaluation of qualifications as described at subsections (a)(2) and (a)(3) of this section [subsection (a)(2) and (a)(3)], the third party inspection agency shall notify the office of the state building commissioner within ten (10) working days of the change.

(c) The order granting or not granting the application shall be issued following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed merely to have been a preliminary determination.

(d) A representative of an authorized third party shall be required to attend meetings as directed by the office of the state building commissioner.

(e) A third party inspection agency shall renew annually the third prary application to the commission requesting authorization to provide their services in Indiana annually as set forth in subsection (a).

(f) Any third party inspection is authorized to provide inspection services as set forth by subsection [section] 10(d) of this rule for a period of one (1) year. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-19; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1977, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 332; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1022; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-20 Third party inspection agency utilization**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 20. (a) In the event a manufacturer elects to utilize the services of a third party inspection agency, the manufacturing

facility shall then be placed under the responsibility of the third party subject to periodic unannounced monitoring by the office of the state building commissioner.

(b) Should a manufacturer determine to change for any reason from one (1) third party agency to another, the manufacturer shall provide written notice to the commissioner of its intent and shall follow the same requirements as set forth in section 17 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-20; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1978, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 333; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1023; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-21 Sanctions concerning third party inspection agency authorizations**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 4-21.5-4; IC 22-12-7-6; IC 22-13; IC 22-14; IC 22-15

Sec. 21. (a) The commission may impose a sanction concerning an authorization of any third party inspection agency that it has previously issued under section 19 of this rule. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(b) The state building commissioner and individuals affected by the authorization are encouraged to submit information to the commission concerning the desirability of the imposition of such a sanction. Any such information shall be reviewed by the commission's staff and shall be placed on the commission's agenda only upon the discretion of staff or the request of a member of the commission.

(c) The commission may impose an appropriate sanction whenever one (1) or more of the following exist:

- (1) It determines that the authorization was obtained by the applicant by fraudulent or misleading statements or information.
- (2) That circumstances have materially changed since an authorization was issued so that, if the sanction is not imposed, public health, safety, or welfare will be adversely affected.

(d) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed to have been merely a preliminary determination.

(e) Sanctions under this section may be imposed under IC 22-12-7-6 and IC 4-21.5-4 where appropriate. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-21; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1979, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 333; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1023; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 15-1-22 Fees**

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 22. (a) The design release fees for manufacture shall be as follows:

- (1) System plan review:
  - (A) filing fee \$30
  - (B) residential, add-a-room or duplex \$320<sup>1</sup>
  - (C) commercial \$505<sup>2</sup>
- (2) System plan review (late filing):
  - (A) filing fee \$55
  - (B) residential, add-a-room or duplex \$525
  - (C) commercial \$552
- (3) Addenda:
  - (A) filing fee \$30
  - (B) residential, add-a-room or duplex \$85<sup>1</sup>
  - (C) commercial \$105<sup>2</sup>
- (4) Addenda (late filing):
  - (A) filing fee \$55
  - (B) residential, add-a-room or duplex \$140
  - (C) commercial \$165

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FIRE PREVENTION AND BUILDING SAFETY COMMISSION

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Notes:

<sup>1</sup>Includes only the original floor plan. A fifty dollar (\$50) fee is charged for each additional floor plan. Crawl space or basement plans are considered to be floor plans.

<sup>2</sup>Includes not more than two (2) module units as a completed structure. A fifty dollar (\$50) fee is charged for each additional module unit.

(b) The system prototype inspection fees (without a design release) shall be as follows:

- |  |       |
|--|-------|
| (1) First module unit  | \$70  |
| (2) Second module unit   | \$85  |
| (3) Third module unit and each additional module unit thereafter | \$105 |

For the purposes of this subsection, "module unit" means a structure, or other entity, regarded as an elementary structural or functional constituent of a whole industrialized building system or mobile structure.

(c) The third party inspection authorization fees shall be as follows:

- |   |       |
|---|-------|
| (1) Original application for Indiana third party inspection authorization (if the original application for authorization is not granted, three hundred dollars (\$300) of the fee will be refunded) | \$830 |
| (2) Yearly third party inspection renewal   | \$550 |

(d) Indiana seal of acceptance fees shall be as follows:

- |   |               |
|---|---------------|
| (1) All applications for the Indiana seal of acceptance shall be accompanied by the proper fee which includes in-state inspection and monitoring. |               |
| (2) Indiana seal of acceptance  | \$65 per seal |

(e) Fees for travel shall be as follows:

- |   |               |
|---|---------------|
| (1) In-state or out-of-state reinspection | \$45 per hour |
| (2) Out-of-state inspection or monitoring | \$45 per hour |

plus the actual expense incurred for the  
purpose of inspection or monitoring

- |  |                 |
|--|-----------------|
| (3) Mileage for out-of-state inspection/reinspection or monitoring from base station to inspection site and return | \$0.28 per mile |
|--|-----------------|

*(Fire Prevention and Building Safety Commission; 675 IAC 15-1-22; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1979, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 319; filed Dec 22, 1988, 3:50 p.m.: 12 IR 1207; filed Sep 27, 1989, 4:30 p.m.: 13 IR 295; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2288; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1023; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2734)*

**675 IAC 15-1-23 Third party inspection authorization fees (Repealed)**

*Sec. 23. (Repealed by Fire Prevention and Building Safety Commission; filed Dec 22, 1988, 3:50 p.m.: 12 IR 1208)*

**Rule 2. Indiana Mobile Structures Code**

**675 IAC 15-2-1 Title, classification, availability, and applicability of rule**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. (a) This rule (675 IAC 15-2) shall be known as the Indiana Mobile Structures Code and is classified as a building safety standard. Wherever the term "this code" is used throughout this rule (675 IAC 15-2) it shall mean the Indiana mobile structures code (675 IAC 15-2).

(b) This rule (675 IAC 15-2) is available for purchase from the Indiana Department of Fire Prevention and Building Safety, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204.

(c) The application of this rule (675 IAC 15-2) shall be as required by Table 1A (675 IAC 15-1-8 [675 IAC 15-1-8 was repealed filed Sep 13, 1988, 2:33 p.m.: 12 IR 334. See 675 IAC 15-1-8.1.]). *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-1; filed Mar 25, 1986, 1:44 pm: 9 IR 1979, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-2 Definitions**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. The following definitions are common to all sections of this rule (675 IAC 15-2). Additional definitions, applicable to the individual sections, are contained in each section.

“Add-a-room” means a mobile structure of one or more rooms intended to be added to an existing dwelling unit.

“Center” means the midpoint between the right and left side of a mobile structure.

“Certified” means “listed” as defined herein.

“Combustible material” means materials made of, or surfaced with, wood, compressed paper, plant fibers, or other material that will ignite and burn. These materials shall be considered as combustible even though flameproofed, fire-retardant treated, or plastered.

“Dwelling unit” means a single unit providing complete independent living facilities for one or more persons including permanent provisions for living, sleeping, eating, cooking and sanitation.

“Labeled” means equipment or materials to which has been attached a label, symbol or other identifying mark of a nationally recognized testing laboratory, inspection agency, or other organization concerned with product evaluation that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling is indicated compliance with nationally recognized standards or tests to determine suitable usage in a specified manner.

“Length” means the distance measured from the tip of the coupler to the part farthest to the rear.

“Listed” means equipment or materials included in a list published by a nationally recognized testing laboratory, inspection agency, or other organization concerned with product evaluation that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets nationally recognized standards or has been tested and found suitable for use in a specified manner.

“Manufactured home construction and safety standard” means standard for the construction, design and performance of a manufactured home. This standard is set forth in the Code of Federal Regulations, Title 24, Part 3280, 3282, 3283, and 42 USC 5401. ET SEQ, as mandated in the United States of America and as administrated by the United States Department of Housing and Urban Development.

“Mobile structure” means a factory assembled structure or structures equipped with the necessary service connections and made so as to be readily movable as a unit or units on its (their) own running gear and designed to be with or without a permanent foundation. Mobile structure does not include manufactured homes.

The phrase “without a permanent foundation” indicates that the support system is constructed with the intent that the mobile structure placed thereon will be moved from time to time at the convenience of the owner.

“Mobile system commercial” means a mobile structure for commercial use consisting of multi-wide configuration of units.

“Mobile system commercial transitory” means a mobile structure for commercial use consisting of a single wide configuration. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-2; filed Mar 25, 1986, 1:44 pm: 9 IR 1979, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-3 Source of design and construction standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. Much of the material in 675 IAC 15-2-3–675 IAC 15-2-31 has been taken from, or is based on, nationally recognized standards for construction. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-3; filed Mar 25, 1986, 1:44 pm: 9 IR 1980, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-4 Scope of design and construction standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. (a) The provisions of 675 IAC 15-2-3–675 IAC 15-2-31 cover the minimum requirements for materials, products,

equipment and workmanship needed to assure that the mobile structure will provide (1) the structural strength and rigidity, (2) the protection against corrosion, decay, insects and other similar destructive forces, (3) reasonable protection against the hazards of fire and windstorm, (4) resistance to the elements and (5) durability and economy of maintenance for its intended use.

(b) Wherever other rules of the commission and the provisions of 675 IAC 15-2-3–675 IAC 15-2-31 differ, the requirements of the latter shall apply. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-4; filed Mar 25, 1986, 1:44 pm: 9 IR 1980, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-5 Basic principles of design and construction**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. The following principles are given as basic goals in the construction of mobile structures, which also serve as guidelines for the understanding of the provisions of 675 IAC 15-2-3–675 IAC 15-2-31. These principles serve to define the intent of the provisions of 675 IAC 15-2-3–675 IAC 15-2-31 when considerations arise which are not covered in the balance of the text.

Principle No. 1. To provide safe, healthful facilities.

Principle No. 2. To provide structural strength and rigidity sufficient for design loads, both in transit and on site.

Principle No. 3. To provide adequate running gear and coupling for safe transportation of the mobile structure.

Principle No. 4. To provide equipment designed and installed for safety of operation, ease of service, and adequate for the intended use.

Principle No. 5. To provide installed materials of adequate specification to resist deterioration.

Principle No. 6. To provide against the entrance of water and winds at all joints, connections, and openings in exterior surfaces.

Principle No. 7. To provide arrangement of habitable spaces for health and safety. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-5; filed Mar 25, 1986, 1:44 pm: 9 IR 1980, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-6 Definitions for design and construction**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. The following definitions are applicable to 675 IAC 15-2-3–675 IAC 15-2-31.

“Dead load” means the weight of all permanent construction including walls, floors, roofs, partitions, and fixed service equipment.

“Diagonal tie” means any tiedown designed to resist lateral or shear forces and which may secondarily resist uplift and overturning forces.

“Gross floor area” means all space, wall to wall, including recess entries and areas under built-in vanities and similar furniture. Where ceiling height is less than that specified in 675 IAC 15-2-22, the floor area under such ceilings shall not be included.

“Ground anchor” means any device at the mobile structure site designed for the purpose of securing a mobile structure to the ground.

“Habitable room” means a room or enclosed floor space arranged for living, eating, food preparation, or sleeping purposes (not including bathrooms, toilet compartments, laundries, pantries, foyers, hallways, and other accessory floor spaces).

“Interior finish” means the surface material of walls, fixed or movable partitions, ceilings and other exposed interior surfaces affixed to the mobile structure including any material such as paint. Interior finish does not include decorations or furnishings which are not affixed to the mobile structure.

“Live load” means the weight superimposed by the use and occupancy of the mobile structure including wind load and snow load, but not including dead load.

“Tiedown” means any device designed for the purpose to anchor a mobile structure to ground anchors.

“Wind load” means the lateral or vertical pressure or uplift on the mobile structure due to wind blowing in any direction. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-6; filed Mar 25, 1986, 1:44 pm: 9 IR 1981, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-7 General design and construction requirements**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. (a) Minimum requirements. The design and construction of a mobile structure shall conform to the provisions of this code. For any size, weight, or quality of material modified by the terms of “minimum”, “not less than”, “at least”, and similar expressions are minimum standards. The manufacturer or installer may exceed these requirements provided such deviation does not result in any inferior installation or defeat the purpose and intent of this code.

(b) Construction. All construction methods shall be in conformance with accepted engineering practices to insure durable, usable, and safe structure. Exposed metal structural members shall be protected to resist corrosion.

(c) Structural analysis. The strength and rigidity of the component parts and the integrated structure shall be determined by engineering analysis or by suitable load tests to simulate the actual loads and conditions that occur on site.

(d) Structural requirements. Each mobile structure shall be designed and constructed as a completely integrated structure capable of sustaining the design load requirements of this structure and shall be capable of transmitting these loads to stabilizing devices without causing an unsafe deformation or abnormal internal movement of the structure or its structural parts.

(e) Allowable design stress. The design stresses of all materials shall conform to accepted engineering practice. The use of materials not identified as to strength or stress grade shall be limited to the minimum allowable stresses under accepted engineering practice. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-7; filed Mar 25, 1986, 1:44 pm: 9 IR 1981, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-8 Design dead loads**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 8. Design dead loads shall be the actual dead load supported by the structural assembly under consideration. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-8; filed Mar 25, 1986, 1:44 pm: 9 IR 1982, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-9 Design live loads**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 9. The design live loads shall be as specified in 675 IAC 15-2-10 and shall be considered to be uniformly distributed. The roof live load shall not be considered as acting simultaneously with the wind load. The roof and floor live loads shall not be considered as resisting the overturning moment due to wind. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-9; filed Mar 25, 1986, 1:44 pm: 9 IR 1982, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-10 Wind, roof, and snow loads**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 10. (a) Wind Loads. Mobile structures shall be designed for the following wind loads:

Horizontal 15 lb/sq. ft.

Vertical Upward 9 lb/sq. ft.

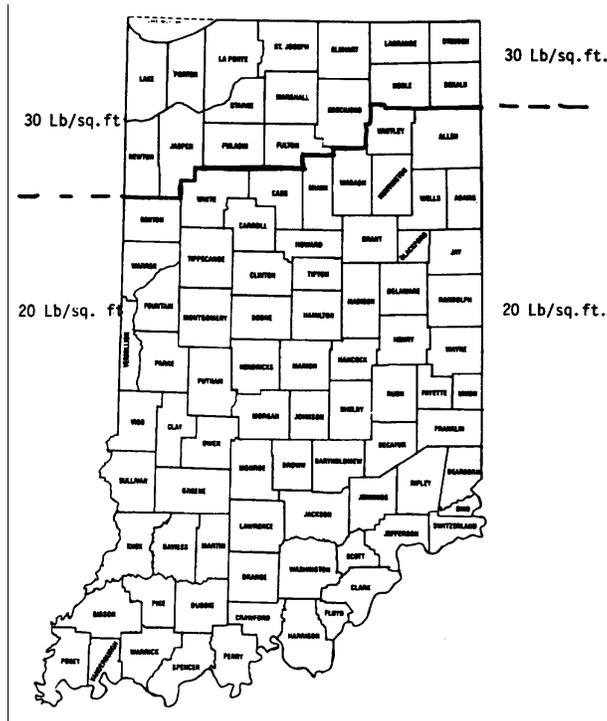
Vertical Downward (See Roof Loads, (b) below)

(b) Roof Loads. Flat, curved and pitched roofs shall be designed to resist the following live loads, applied downward on the horizontal projection:

North Zone 30 lb/sq. ft.

Middle Zone 20 lb/sq. ft.

(c) Required Snow Load



(Fire Prevention and Building Safety Commission; 675 IAC 15-2-10; filed Mar 25, 1986, 1:44 pm: 9 IR 1982, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

**675 IAC 15-2-11 Fastening of structural systems**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. Roof framing shall be securely fastened to wall framing, walls to floor structure, and floor structure to chassis, to secure and maintain continuity between the roof and floor and chassis, so as to resist wind overturning and sliding as imposed by design loads in 675 IAC 15-2-10(b). Directions for anchorage shall accompany all mobile structures. (Fire Prevention and Building Safety Commission; 675 IAC 15-2-11; filed Mar 25, 1986, 1:44 pm: 9 IR 1983, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

**675 IAC 15-2-12 Walls**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 12. (a) The walls shall be of sufficient strength to withstand the load requirements as defined in 675 IAC 15-2-10 without exceeding the deflections as specified in 675 IAC 15-2-14. The connections between the bearing walls, floors, and roof framework members shall be fabricated in such a manner as to provide support for the material used to enclose the mobile structure and to provide for transfer of all lateral and vertical loads to the floor and chassis.

(b) Drilling or Notching of Wood Wall Structural Members. Except where substantiated by engineering design, studs shall not be notched or drilled in the middle one-third (1/3) of their length.

(c) Interior Walls. Interior walls shall be constructed with structural capacity adequate for the intended purpose and shall be capable of resisting a horizontal load of not less than five (5) pounds per square foot.

(d) Firestopping. Firestopping shall be provided in mobile structures to cut off all concealed draft openings in all stud walls

and partitions, including furred spaces, so placed that the maximum vertical dimension of any concealed space is not over ten feet (10'). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-12; filed Mar 25, 1986, 1:44 pm: 9 IR 1983, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-13 Floors**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. (a) Floor assemblies shall be designed in accordance with accepted engineering practice to support a minimum uniform live load of forty (40) pounds per square foot plus the dead load of the materials. In addition (but not simultaneously), floors shall be able to support a two hundred (200) pound concentrated load on a two inch (2") diameter disc at the most critical location with a maximum deflection not to exceed one-eighth inch (1/8") relative to floor framing. Perimeter joists of more than six inches (6") depth shall be stabilized against overturning from superimposed loads as follows: at ends by solid blocking not less than two inch (2") thickness by full depth of joist, or by connecting to a continuous header not less than two inch (2") thickness and not less than the depth of the joist with connecting device; at eight feet (8') maximum intermediate spacing by solid blocking or by wood cross-bridging of not less than one inch (1") by three inches (3"), approved metal cross-bridging or by other approved methods.

(b) Wood floors or subfloors in kitchens, bathrooms (including toilet compartments), laundry rooms, water heater compartments, and any other areas subject to excessive moisture shall be moisture resistant or shall be made moisture resistant by sealing or by an overlay of nonabsorbent material applied with water-resistant adhesive.

(c) Carpeting shall not be used under a heat-producing appliance unless the appliance is listed for such use.

(d) Drilling or Notching of Wood Joist Structural Members. Except where substantiated by engineering design, notches on the ends of joists shall not exceed one-fourth (1/4) the joist depth. Holes bored in joists shall not be within two inches (2") of the top or bottom of the joist, and the diameter of any such hole shall not exceed one-third (1/3) the depth of the joist. Notches in the top or bottom of the joists shall not exceed one-sixth (1/6) the depth and shall not be located in the middle third of the span. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-13; filed Mar 25, 1986, 1:44 pm: 9 IR 1984, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-14 Design load deflection**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 14. When a structural assembly is subjected to total design live loads, the deflection for structural framing members shall not exceed the following:

Floor	L/240
Roof and Ceiling	L/180
Headers, Beams, Girders	L/180 (Vertical Loads Only)

Where L = the clear span between supports or two times the length of a cantilever.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-14; filed Mar 25, 1986, 1:44 pm: 9 IR 1984, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-15 Structural load tests**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 15. Structural assemblies or subassemblies that are tested shall sustain the design dead load plus the superimposed design live load equal to 1.75 times the required live load for a period of twelve (12) hours without failure, unless otherwise specified herein. Failure shall be considered rupture, fracture or residual deflection which is greater than the limits set in 675 IAC 15-2-14. An assembly or subassembly to be tested shall be representative of the minimum quality of materials of the group of assemblies or subassemblies as ordinarily manufactured. Each test assembly, component or subassembly shall be identified as to type and quality or grade of material. Structural load tests or other tests based on nationally recognized standards may be approved. (*Fire Prevention*

*and Building Safety Commission; 675 IAC 15-2-15; filed Mar 25, 1986, 1:44 pm; 9 IR 1984, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-16 Weather resistance**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. Exterior covering shall be of moisture and weather resistive materials attached with corrosion resistant fasteners to resist wind and rain. Metal coverings shall be of corrosion resistant materials. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-16; filed Mar 25, 1986, 1:44 pm; 9 IR 1985, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-17 Condensation resistance for residential systems**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 17. Spaces within outside walls and ceilings shall be ventilated and/or shall be provided with corrosion resistant vapor type barriers on the warm side of the walls and ceilings or other means shall be used to avoid condensation with these spaces. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-17; filed Mar 25, 1986, 1:44 pm; 9 IR 1985, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-18 Interior walls, partitions, and ceilings**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 18. The interior finish of rooms and hallways (not serving as an exit for an occupancy load of thirty (30) or more), enclosures for furnaces and water heaters (including doors) shall be of materials whose flame spread classification shall not exceed two hundred (200).

EXCEPTION: Moldings, trim, cabinets, splash panels and doors that close openings that do not exceed twenty-one (21) square feet.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-18; filed Mar 25, 1986, 1:44 pm; 9 IR 1985, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-19 Rodent resistance**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 19. Exterior surfaces shall be sealed to resist the entrance of rodents. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-19; filed Mar 25, 1986, 1:44 pm; 9 IR 1985, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-20 Heat loss; mobile system**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 20. (a) The total calculated heat loss of the unit at the outdoor design temperature shall not exceed forty (40) Btu/hour/square feet of the total floor area or 275 Btu/hour/lineal foot of the perimeter of the space to be heated to 70° F, whichever is greater. The minimum total resistance value (R), excluding framing, windows and doors shall not be less than:

Wall	11.0
Ceiling	19.0
Floor	10.0

(b) "R" values and "U" factors shall be calculated as outlined in the latest edition of the Indiana Energy Conservation Code

(675 IAC 19).

(c) Framing Heat Loss. In the absence of specific data, for the purpose of heat loss calculations, the following framing areas shall be assumed:

Wall	20% of net wall area
Ceiling	5% of total ceiling area
Floor	10% of net floor area

(d) Infiltration Heat Loss. Infiltration heat loss shall be determined as outlined in the Indiana Energy Conservation Code (675 IAC 19).

Outside Design Temperature Degrees F	Infiltration Allowance Btu/hr
40	3330
30	4440
20	5550
10	6660
0	7770
minus 10	8880
minus 20	9990
minus 30	11100
minus 40	12210

(e) Duct Heat Loss. The supply duct heat loss shall be calculated separately using the actual duct surface area and the actual thickness of insulation between the duct and outside of the mobile structure. If there is an air space of one-half inch (1/2") or less, the heat duct shall be assumed in contact with the insulation. If there is an air space of over one-half inch (1/2") between the duct and the insulation, no special heat loss need be calculated if the cavity in which the duct is located is assumed to be at 70° F. The average temperature inside the supply duct shall be assumed to be at least 130° F for the purpose of calculation.

(f) The wall, roof and floor assembly R values are typical and are not intended to be all inclusive. Other assemblies may be used provided documentation is submitted indicating overall equivalent thermal transmittance for the structure. Such documentation shall be consistent with accepted engineering practice. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-20; filed Mar 25, 1986, 1:44 pm; 9 IR 1985, eff Jun 15, 1986; filed Sep 19, 1986, 9:15 am; 10 IR 236; readopted filed Nov 29, 2001, 12:21 p.m.; 25 IR 1306)*

**675 IAC 15-2-21 Design considerations**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 21. Light and Ventilation. Adequate provisions shall be made for light and ventilation in accordance with the following:

(a) Occupied Rooms. Occupied rooms shall be provided with exterior windows or doors having a total glazed area of not less than eight percent (8%) of the gross floor area. An area equivalent to not less than four percent (4%) of the gross floor area shall be available for unobstructed ventilation. Glazed areas need not be openable where a mechanical ventilation system is provided and is capable of producing a change of air in the room(s) every thirty (30) minutes with not less than one-fifth (1/5) of the air supply taken from outside the mobile structure.

EXCEPTIONS: 1. Mechanical ventilation may be used for commercial applications when the ventilation is a minimum of five (5) cubic feet per minute or fifteen (15) cubic feet per minute, per occupant.

2. Kitchens may be provided with artificial light and mechanical ventilation capable of producing a change of air in the room every thirty (30) minutes. Windows and doors used for light or ventilation shall open directly to the outside of the structure.

3. Adequate artificial light may be provided in commercial structures.

(b) Toilet Compartments. Each toilet compartment shall be provided with artificial light and, be provided with external windows or doors having not less than one and one-half (1 1/2) square feet of fully openable glazed area, except where a mechanical ventilation system is provided capable of producing a change of air every fifteen (15) minutes. Any mechanical ventilation system shall exhaust directly to the outside of the mobile structure. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-21;*

*filed Mar 25, 1986, 1:44 pm: 9 IR 1985, eff Jun 15, 1986; filed Sep 19, 1986, 9:15 am: 10 IR 237; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-22 Ceiling height**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 22. Every habitable room shall have a minimum ceiling height of not less than seven feet (7') in at least fifty percent (50%) of its required area with no portion of the required area less than five feet (5') in height. Hallways shall have a minimum ceiling height of six feet and six inches (6' 6"). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-22; filed Mar 25, 1986, 1:44 pm: 9 IR 1986, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-23 Exits**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 23. (a) Mobile System—Commercial Structures shall conform to the Indiana Building Code (675 IAC 13-2 [675 IAC 13-2 was repealed filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989.]) for exiting, and to the Indiana Handicapped Accessibility Code (675 IAC 13-4 [675 IAC 13-4 was repealed filed Dec 15, 1989, 5:05 p.m.: 13 IR 896.]).

(b) Mobile homes shall have a minimum of two exterior doors located remote from each other and so arranged as to provide a means of unobstructed travel to the outside of the mobile structure.

(c) Exterior doors shall be constructed for exterior use and in no case provide less than a twenty-eight inch (28") wide clear opening. Each swinging exterior door shall have a key-operated lock that has a deadlocking latch. A deadlock with a passage set installed below the deadlock may be used as an acceptable alternate for each exterior door. The locking mechanism of the lock shall be engaged or disengaged by the use of a lever, knob, button, handle, or other device from which egress is to be made when the mobile structure is occupied. Locks shall not require the use of a key for operation from the inside.

(d) Interior Privacy. Each mobile structure interior door, when provided with a privacy lock, shall have a privacy lock that has an emergency release on the outside to permit entry when lock has been locked by a locking knob, button, or other locking device on the inside.

(e) Interior Passage. Interior doors having passage hardware without a privacy lock, or with a privacy lock not engaged, shall open from either side by a single movement of the hardware mechanism in any direction. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-23; filed Mar 25, 1986, 1:44 pm: 9 IR 1986, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-24 Room and hallway sizes**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 24. (a) Every mobile structure used for living or sleeping purposes shall have at least one habitable room with not less than one hundred fifty (150) square feet of gross floor area. Rooms designed for sleeping purposes shall have a minimum gross square foot floor area as follows:

One Person	50
Two persons	70
Each person in excess of two	50

(b) No habitable room, except a kitchen, shall be less than five feet (5') in any clear horizontal dimension.

(c) Each toilet compartment shall be a minimum of thirty inches (30") in width and have at least twenty-one inches (21") of clear space in front of each toilet.

(d) Hallways shall have a minimum horizontal dimension of twenty-eight inches (28"). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-24; filed Mar 25, 1986, 1:44 pm: 9 IR 1986, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-25 Glass and glazed openings**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 25. Glass and glazed openings shall conform to the Indiana Building Code (675 IAC 13-2 [675 IAC 13-2 was repealed filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989.]). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-25; filed Mar 25, 1986, 1:44 pm: 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-26 Smoke detectors**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 26. At least one (1) listed smoke detector (which may be a single station alarm device) shall be installed in each mobile structure containing habitable room(s).

NOTE: A "smoke detector" is a device which detects visible or invisible particles of combustion. A single station alarm device is an assembly incorporating a detector and an alarm sounding device in one unit.

Detectors shall operate from an AC, or combination AC/battery power source. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-26; filed Mar 25, 1986, 1:44 pm: 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-27 Smoke detector locations**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 27. Smoke detector(s) shall be located outside of bedrooms, in a hallway or space communicating thereto, on or near the ceiling and shall be installed in accordance with the manufacturer's instructions. Mobile structures having bedrooms separated by any one or combination of common use areas, such as kitchen, dining room, living room, or family room (but not bathroom or utility room), shall have at least two (2) detectors. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-27; filed Mar 25, 1986, 1:44 pm: 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-28 Alarm sounding devices**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 28. (a) Every smoke-detecting device shall cause the operation of an alarm signaling device or devices which shall be clearly audible in all bedrooms with all intervening doors closed.

(b) All alarm sounding devices shall be rated not less than eighty-five (85) decibels at ten feet (10'). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-28; filed Mar 25, 1986, 1:44 pm: 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-29 Detector trouble signals**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 29. Detectors shall have an audible trouble signal on failure of the light source, but such failure shall not cause an alarm. Audible trouble signals shall be designed to operate at least every minute for seven consecutive days. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-29; filed Mar 25, 1986, 1:44 pm: 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-30 Testing detectors**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 30. The mobile structure manufacturer shall provide instructions supplied by the device manufacturer for the periodic testing of the detector(s). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-30; filed Mar 25, 1986, 1:44 pm: 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-31 In-transit design requirements**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 31. (a) Scope. This section covers the general requirements for designing the mobile chassis to fully withstand the adverse effect of transportation shock and vibration without degradation of the integrated structure or of its component parts and the specific requirements pertaining to the transportation system and its relationship to the structure.

(b) Definitions. "Chassis" means the entire transportation system comprising the following subsystems: drawbar and coupling mechanism, frame, running gear assembly and lights.

"Drawbar and Coupling Mechanism" means the rigid assembly (usually an "A" frame), upon which is mounted a coupling mechanism, which connects the mobile structure's frame to the towing vehicle.

"Frame" means the fabricated rigid substructure which provides considerable support to the affixed mobile structure both during transport and on-site; and also provides a platform for securement of the running gear assembly, and drawbar and coupling mechanism.

"Running Gear Assembly" means the subsystem consisting of suspension springs, axles, bearings, wheels, hubs, tires, and brakes, with their related hardware.

"Highway," includes all roads and streets to be legally used in transporting the mobile structure.

"Length," for purposes of transportation only, means the distance from the extreme front of the mobile structure to the extreme rear, including the drawbar and coupling mechanism, but not including expandable features that do not project from the body during transportation.

(c) General requirements for designing the structure to withstand transportation shock and vibration.

The cumulative effects of highway transportation shock and vibration upon a mobile structure may result in incremental degradation of its designed performance in terms of providing a safe, healthy and durable structure. Therefore, the mobile structure shall be designed, in terms of its structural, plumbing, mechanical and electrical systems, to fully withstand such transportation forces during its intended life.

Particular attention shall be given to maintaining watertight integrity and conserving energy by assuring that structural components in the roof and walls (and their interfaces with vents, windows, doors, etc.) are capable of resisting highway shock and vibration forces during primary and subsequent secondary transportation moves.

In place of an engineering analysis, either of the following may be accepted:

- (1) documented technical data of suitable highway tests which were conducted to simulate transportation loads and conditions;
- or
- (2) acceptable documented evidence of actual transportation experience which meets the intent of this section.

(d) Specific requirements for designing the transportation system.

General. The entire system (frame, drawbar and coupling mechanism, running gear assembly, and lights) shall be designed and constructed as an integrated, balanced and durable unit which is safe and suitable for its specified use during the intended life of the mobile structure. In operation, the transportation system (supporting the mobile structure and its contents) shall effectively respond to the control of the towing vehicle in terms of tracking and braking, while traveling at applicable highway speeds and in normal highway traffic conditions.

Specific requirements. The drawbar shall be constructed of sufficient strength, rigidity and durability to safely withstand those dynamic forces experienced during highway transportation. It shall be securely fastened to the mobile structure frame by either a continuous weld or by bolting.

The coupling mechanism (which is usually of the socket type) shall be securely fastened to the drawbar in such a manner as

to assure safe and effective transfer of the maximum loads, including dynamic loads, between the mobile structure and the hitch-assembly of the towing vehicle. The coupling shall be equipped with a manually operated mechanism so adapted as to prevent disengagement of the unit while in operation. The coupling shall be so designed that it can be disconnected regardless of the angle of the mobile structure to the towing vehicle. With the mobile structure parked on level ground, the center of the socket of the coupler shall not be less than twenty inches (20") nor more than twenty-six inches (26") from ground level.

The chassis, in conjunction with the mobile structure, shall be designed and constructed to effectively sustain the designed loads consisting of the dead load plus a minimum of three (3) pounds per square foot floor load (example: free-standing range, refrigerator, and loose furniture), and the superimposed dynamic load resulting from highway movement but shall not be required to exceed twice the dead load. The integrated design shall be capable of insuring rigidity and structural integrity of the complete mobile structure and to insure against deformation of structural or finish members during the intended life of the structure.

The running gear assembly, as part of the chassis, shall be designed to perform, as a balanced system, in order to effectively sustain the designed loads set forth in this section and to provide for durable dependable safe mobility of the mobile structure. It shall be designed to accept shock and vibration, both from the highway and the towing vehicle and effectively dampen these forces so as to protect the mobile structure from damage and fatigue. Its components shall be designed to facilitate routine maintenance, inspection and replacement.

Location of the running gear assembly shall be determined by documented engineering analysis, taking into account the gross weight (including all contents), total length of the mobile structure, the necessary coupling hitch weight, span distance, and turning radius. The coupling weight shall not be less than twelve percent (12%) nor more than twenty-five percent (25%) of the gross weight.

Spring assemblies (springs, hangers, shackles, bushings and mounting bolts) shall be capable of withstanding all the design loads as outlined in this section without exceeding maximum allowable stresses for design spring assembly life as recommended by the spring assembly manufacturer. The capacity of the spring system shall assure, that under maximum operating load conditions, sufficient clearance shall be maintained between the tire and mobile structure frame or structure to permit unimpeded wheel movement and for changing tires.

Axles, and their connecting hardware, shall be capable of withstanding all of the design loads outlined in this section without exceeding maximum allowable stresses for design axle life as recommended by the axle manufacturer. The number of axles required to provide a safe tow and good ride characteristics shall be determined and documented by engineering analysis. Those alternatives listed in this section may be accepted in place of such an analysis.

Hubs and bearings shall meet the requirements of this section and good engineering practice. Both of these components shall be accessible for inspection, routine maintenance and replacement of parts.

Tires, wheels and rims shall meet the requirements of this section. Tires shall be selected for anticipated usage.

The number, type, size and design of brake assemblies required to assist the towing vehicle in providing effective control and stopping of the mobile structure shall be determined and documented by engineering analysis. Those alternatives listed in this section may be accepted in place of such an analysis.

Brakes on the towing vehicle and the mobile structure shall be capable of assuring that the maximum stopping distance from an initial velocity of twenty (20) miles per hour does not exceed forty feet (40').

Highway safety electrical lights and associated wiring shall conform to applicable federal requirements in terms of location and performance. The manufacturer shall have the option of meeting this requirement by utilizing a temporary light/wiring harness provided by the mobile structure transportation carrier. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-31; filed Mar 25, 1986, 1:44 pm; 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-32 Scope of plumbing standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 32. (a) The provisions of 675 IAC 15-2-32–675 IAC 15-2-70 cover the plumbing materials, fixtures, fittings and equipment installed within or on mobile structures.

(b) Wherever the rules of the commission or other nationally recognized standards for plumbing materials, fixtures, fittings and equipment and the provisions of 675 IAC 15-2-32–675 IAC 15-2-70 differ, the requirements of the latter shall apply. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-32; filed Mar 25, 1986, 1:44 pm; 9 IR 1989, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-33 Basic principles of plumbing standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 33. The following principles are given as basic goals in environmental sanitation, worthy of accomplishment through properly designed, acceptably installed, and adequately maintained plumbing systems. The results desired and necessary to protect the health of the public are the same everywhere. Furthermore, as unforeseen situations arise that are not specifically covered in this part, the principles may serve to define the intent.

Principle No. 1. Plumbing fixtures, devices, and appurtenances shall be supplied with water in sufficient volume and at pressures adequate to enable them to function satisfactorily and without undue noise under all normal conditions of use.

Principle No. 2. Plumbing shall be designed and adjusted to use the minimum quantity of water consistent with proper performance and cleaning.

Principle No. 3. Devices for heating and storing water shall be so designed and installed as to prevent dangers from contamination or explosion through overheating.

Principle No. 4. Plumbing fixtures shall be made of smooth non-absorbent material, shall be free from concealed surfaces that may foul and shall be located in ventilated enclosures.

Principle No. 5. The plumbing system shall be of durable material, free from defective workmanship, and so designed and constructed as to give satisfactory service for its reasonable life expectancy.

Principle No. 6. Each fixture directly connected to the drainage system shall be installed with a water seal trap.

Principle No. 7. The drainage system shall be designed to provide an adequate circulation of air in all piping with no danger of siphonage, aspiration, or forcing of trap seals under conditions of ordinary use.

Principle No. 8. The plumbing system shall be subjected to tests that will effectively disclose all leaks and defects in the work, which must then be repaired.

Principle No. 9. Toilets shall not be located in a room or compartment that is not properly lighted and ventilated.

Principle No. 10. All plumbing fixtures shall be so installed with regard to spacing as to be reasonably accessible for their intended use. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-33; filed Mar 25, 1986, 1:44 pm: 9 IR 1989, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-34 Definitions for plumbing standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 34. The following definitions are applicable to the provisions of 675 IAC 15-2-32–675 IAC 15-2-70:

“Air gap (water distribution system)” means the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank, plumbing fixture, water supplied appliance, or other device and the flood level rim of the receptacle.

“Anti-siphon trap vent device” means a device which automatically opens to admit air to a fixture drain above the connection of the trap arm so as to prevent siphonage, and closes tightly when the pressure within the drainage system is equal to or greater than atmospheric pressure so as to prevent the escape of gases from the drainage system into the mobile structure.

“Backflow” means the flow of water or other liquids, mixtures, or substances into the distributing pipes of a potable supply of water from any source or sources other than its intended sources.

“Backflow connection” means any arrangement whereby backflow can occur.

“Backflow preventer” means a device or means to prevent backflow.

“Branch” means any part of the piping system other than a riser, main or stack.

“Common vent” means a vent connecting at the junction of fixture drains and serving as a vent for more than one (1) fixture.

“Continuous vent” means a vertical vent that is a continuation of the drain to which it connects.

“Continuous waste” means a drain from two (2) or more fixtures connected to a single trap.

“Critical level” means the C-L or C/L marking on a backflow prevention device or vacuum breaker is a point established by the testing laboratory (usually stamped on the device by the manufacturer) which determines the minimum elevation above the flood level rim of the fixture or receptacle served on which the device may be installed. When a backflow prevention device does not bear

a critical level marking, the bottom of the vacuum breaker, combination valve, or of any such approved or listed device shall constitute the critical level.

“Cross connection” means any physical connection or arrangement between two (2) otherwise separate systems or sources, one of which contains potable water and the other either water, steam, gas, chemical or unknown or questionable materials whereby there may be a flow from one (1) system or source to the other, the direction of flow depending on the pressure differential between the two (2) systems.

“Developed length” means that length of pipe measured along the center line of the pipe and fittings.

“Diameter” means the nominal (inside) diameter designated commercially, unless specifically stated otherwise.

“Drain” means a pipe that carries waste, water, or water-borne wastes in a drainage system.

“Drain connector” means the removable extension, consisting of all pipes, fittings and appurtenances, from the drain outlet to the drain inlet serving the mobile structure.

“Drain outlet” means the lowest end of the main or secondary drain to which a sewer connection is made.

“Drainage system” means all piping within or attached to the structure that conveys sewage or other liquid waste to the drain outlet, not including the drain connector.

“Fixture drain” means the drain from the trap of a fixture to the junction of that drain with any other drain pipe.

“Fixture supply” means the water supply pipe connecting a fixture to a branch water supply pipe or directly to a main water supply pipe.

“Flood level” means the level in the receptacle over which water would overflow to the outside of the receptacle.

“Flooded” means the condition which results when the liquid in a container or receptacle rises to the flood-level.

“Flush tank” means that portion of a toilet that is designed to contain sufficient water to adequately flush the fixture.

“Flush valve” means a device located at the bottom of a flush tank for flushing a toilet.

“Flushometer valve” means a device which discharges a predetermined quantity of water to a fixture for flushing purposes and is closed by direct water pressure.

“Grade” means the fall (slope) of a pipe in reference to a horizontal plane expressed in inches per foot length.

“Horizontal branch” means a drain pipe extending laterally, which receives the discharge from one or more fixture drains and connects to the main drain.

“Horizontal pipe” means any pipe or fitting which makes an angle of more than forty-five degrees (45°) with the vertical.

“Individual vent” means a pipe or anti-siphon trap vent device installed to vent a fixture drain.

“Inlet coupling” means the terminal end of the water system to which the water service connection is attached. It may be a swivel fitting or threaded pipe end.

“Main” means the principal artery of the system to which branches may be connected.

“Main drain” means the lowest pipe of a drainage system which receives sewage from all the fixtures within a mobile structure and conducts these wastes to the drain outlet.

“Main vent” means the principal artery of the venting system to which vent branches may be connected.

“Offset” means a combination of pipe and/or fittings that brings one section of the pipe out of line but into a line parallel with the other section.

“Pitch”. (See “grade”.)

“Plumbing fixtures” means receptacles, devices, or appliances which are supplied with water or which receive liquid-borne wastes for discharge into the drainage system.

“Plumbing system” includes the water supply and distribution pipes; plumbing fixture and traps; soil, waste, and vent pipes; and water-treating or water using equipment.

“Primary vent”. (See “main vent”.)

“Relief vent” means an auxiliary vent which permits additional circulation of air in or between drainage and vent systems.

“Secondary vent” means any vent other than the main vent or those serving each toilet.

“Sewage” means any liquid waste containing animal or vegetable matter in suspension or solution, and may include liquids containing chemicals in solution.

“Siphonage” means the loss of water seal from fixture traps resulting from partial vacuum in the drainage system which may be of either of the following two types, or a combination of the two: (a) Self-siphonage resulting from vacuum in a fixture drain generated solely by the discharge of the fixture served by that drain, or, (b) induced siphonage resulting from vacuum in the drainage system generated by the discharge of one (1) or more fixtures other than the one under observation.

“Toilet–mechanical seal” means a toilet fitted with water-flushing device and mechanically sealed trap.

“Toilet–recirculating chemical” means a self-contained, circulating toilet in which the waste is chemically treated.

“Trap” means a fitting or device designed and constructed to provide a liquid seal that will prevent the back passage of air without materially affecting the flow of liquid waste through it.

“Trap arm” means that portion of a fixture drain between a trap and its vent.

“Vacuum breaker”. (See “backflow preventer”.)

“Vent caps” means a device or fitting which protects the vent pipe from foreign substances with an opening to the atmosphere equal to the area of the vent it serves.

“Vent system” means that part of a piping installation which provides circulation of air within a drainage system.

“Vertical pipe” means any pipe or fitting which makes an angle of forty-five degrees (45°) or less with the vertical.

“Water connection” means the fitting or point of connection for the mobile structure water distribution system designed for connection to a water supply.

“Water connector” means the removable extension connecting the mobile structure distribution system to the water supply.

“Water distribution system” means the potable water piping within or permanently attached to the mobile structure.

“Wet vent” means a vent which also serves as a drain for one or more fixtures.

“Wet vent drainage system” means a specially designed system of drain piping that also vents one or more plumbing fixtures by means of a common waste and vent pipe. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-34; filed Mar 25, 1986, 1:44 pm; 9 IR 1990, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

#### **675 IAC 15-2-35 General plumbing requirements**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 35. (a) Minimum Requirements. Any plumbing system installed in a mobile structure shall conform, at least, with the provisions of this section. Requirements for any size, weight, or quality of material modified by the terms “minimum”, “not less than”, “at least”, and similar expressions are “minimum standards”.

(b) Connection to Drainage System. All plumbing, fixtures, drains, appurtenances, and appliances designed or used to receive or discharge liquid waste or sewage shall be connected to the mobile structure drainage system in a manner provided by this code.

(c) Workmanship. All design, construction, and workmanship shall be in conformance with accepted engineering practices and shall be of such character as to secure the results sought to be obtained by this code.

(d) Components. Plumbing materials, devices, fixtures, fittings, equipment, appliances, and accessories intended for use in or attached to a mobile structure shall be listed or certified by an approved listing agency.

(e) Prohibited fittings and practices are as follows:

(1) Drainage or vent piping shall not be drilled and tapped for the purpose of making connections.

(2) Except as specifically provided elsewhere in this code, vent pipes shall not be used as waste or drain pipes.

(3) Fittings, connections, devices, or methods of installation that obstruct or retard the flow of sewage, or air in the drainage or venting systems in an amount greater than the normal frictional resistance to flow shall not be used unless their use is acceptable in this code or their use is approved as having a desirable and acceptable function of ultimate benefit to the proper and continued functioning of the plumbing system.

(4) Cracks, holes, or other imperfections in materials shall not be concealed by welding, brazing, or soldering or by paint, wax, tar, or other leak-sealing or repairing agents.

(5) Piping, fixtures or equipment shall be located so as not to interfere with the normal use or with the normal operation and use of windows, doors or other required facilities.

(6) Galvanized pipe shall not be bent or welded.

(f) Alignment of Fittings. All valves, pipes, and fittings shall be installed in correct relationship to the direction of flows. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-35; filed Mar 25, 1986, 1:44 pm; 9 IR 1991, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-36 Protection of plumbing system**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 36. (a) Cutting Structural Members. Structural members shall not be unnecessarily or carelessly weakened by cutting or notching.

NOTE: See 675 IAC 15-2-12(b) and 675 IAC 15-2-13(d).

(b) Exposed Piping. All piping, pipe threads, hangers, and supports exposed to the weather, water, mud, and road hazard, and subject to damage therefrom, shall be painted, coated, wrapped, or otherwise protected from deterioration.

(c) Road Damage. Pipes, supports, drains, outlets, or drain hoses shall be insulated or protected to prevent freezing, under normal occupancy.

(d) Rodent Resistance. All exterior openings around piping and equipment shall be sealed to resist the entrance of rodents. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-36; filed Mar 25, 1986, 1:44 pm; 9 IR 1992, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-37 Material standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 37. (a) Minimum Standards. Materials, fixtures, or devices used or entering into the construction of plumbing systems in any mobile structure shall be free from defects and shall conform to approved standards.

(b) Specific Usage. Each of the following sections indicates specifically the type of material presently permitted for use in the various parts of the plumbing system. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-37; filed Mar 25, 1986, 1:44 pm; 9 IR 1992, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-38 Joints and connections**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 38. Tightness. Joints and connections in the plumbing system shall be gastight and watertight for the pressures required under testing procedures.

(a) Assembling of Pipe. All joints and connections shall be correctly assembled for tightness. Pipe threads shall be fully engaged with the threads of the fitting. Plastic pipe and copper tubing shall be inserted to the full depth of the solder cup or welding sockets of each fitting. Pipe threads and slip joints shall not be wrapped with string, paper, putty, or similar fillers.

(b) Threaded Joints. Threads for screw pipe and fittings shall conform to the approved or listed standard. Pipe ends shall be reamed out to size of bore. All burrs, chips, cutting oil and foreign matter shall be removed. Pipe joint cement or thread lubricant shall be of approved type and applied to make threads only.

(c) Solder Joints. Solder joints for tubing shall be made with approved or listed solder type fittings. Surfaces to be soldered shall be cleaned bright. The joints shall be properly fluxed with noncorrosive paste type flux and made with approved or listed fifty-fifty (50-50) solder or an approved solder having a higher melting temperature.

(d) Plastic Pipe, Fittings and Joints. Plastic pipe and fittings shall be joined by installation methods recommended by the manufacturer or by a recognized approved or listed standard.

(e) Union Joints. Metal unions shall have metal-to-metal ground seats.

(f) Flared Joints. Flared joints for soft-copper water tubing shall be made with listed fittings. The tubing shall be expanded with a proper flaring tool.

(g) Cast Iron Soil Pipe Joints. Approved or listed cast iron pipe may be joined as follows:

(1) Approved or listed hubless pipe as per the manufacturer's recommendation.

(2) Hub and plain-end soil pipe may be joined by compression fittings per the manufacturer's recommendation.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-38; filed Mar 25, 1986, 1:44 pm; 9 IR 1992, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-39 Traps**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 39. (a) Traps Required. Each plumbing fixture, except listed toilets shall be separately trapped by approved water seal "P" traps. All traps shall be effectively vented.

(b) Dual Fixtures. A two-compartment sink, two single sinks, two lavatories, or a single sink and a single lavatory with waste outlets not more than thirty inches (30") apart and in the same room and flood level rims at the same level may be connected to one "P" trap and may be considered as a single fixture for the purpose of drainage and vent requirements.

(c) Prohibited Traps. A trap which depends for its seal upon concealed interior partitions shall not be used. Full "S" traps, bell traps, drum traps, crown-vented traps, and running traps are prohibited. Fixtures shall not be double-trapped.

(d) Material and Design. Each trap shall be self-cleaning with a smooth and uniform interior waterway. Traps shall be manufactured of cast iron, cast brass, or drawn brass tubing of not less than No. 20 Brown and Sharpe gauge, or approved or listed material. Union joints for a trap shall be beaded to provide a shoulder for the union nut. Each trap shall have the manufacturer's name stamped or cast in the body of the trap, and each trap shall show the gauge of the tubing.

(e) Trap Seal. Each "P" trap shall have a water seal of not less than two inches (2") and not more than four inches (4") and shall be set true to its seal.

(f) Size. Traps shall be not less than one and one-fourth inches (1 1/4") in diameter. A trap shall not be larger than the waste pipe to which it is connected.

(g) Location. Each trap shall be located as close to its vent and to its fixture outlet as structural conditions will permit.

(h) Length of Tailpiece. The vertical distance from a trap to the fixture outlet shall not exceed twenty-four inches (24").

(i) Installation shall be as follows:

(1) Grade of Trap Arm. The piping between a "P" trap and the fixture tee or the vented waste line shall be graded one-fourth inch (1/4") per foot towards the vent and in no event shall have a slope greater than its diameter. The vent opening at fixture tees shall not be below the weir of the "P" trap outlet.

(2) Trap Arm Offset. The piping between the "P" trap and vent may change direction or be offset horizontally with the equivalent of no more than one hundred eighty degrees (180°).

(3) Concealed Traps. Traps with mechanical joints shall be accessible for repair and inspection.

(4) Removability of Traps, Etc. Traps shall be designed and installed so the "U" bend is removable without removing the strainers from the fixture. Continuous waste and tailpieces which are permanently attached to the "U" bend shall also be removable without removing the strainer from the fixture.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-39; filed Mar 25, 1986, 1:44 pm; 9 IR 1993, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-40 Cleanouts**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 40. (a) Location of cleanout fittings shall be as follows:

(1) Cleanouts shall be installed if the drainage system cannot be cleaned through fixtures, drains, or vents. Cleanouts shall also be provided when fittings of more than forty-five degrees (45°) are used to affect an offset except where long turn ells are used which provide sufficient "sweep" for cleaning.

(2) A full size cleanout shall be installed at the upper end of any section of drain piping which does not have the required minimum slope of one-fourth inch (1/4") per foot grade.

(3) A cleaning tool shall not be required to pass through more than three hundred sixty degrees (360°) of fittings, excluding removable "P" traps, to reach any part of the drainage system.

(b) Cleanouts shall be accessible through an unobstructed minimum clearance of twelve inches (12") directly in front of the opening. Each cleanout fitting shall open in a direction opposite to the flow or at right angles to the pipe. Concealed cleanouts that are not provided with access covers shall be extended to a point above the floor or outside of the mobile structure, with pipe and fittings installed as required, for drainage piping without sags and pockets.

(c) Material. Plugs and caps shall be brass or approved or listed plastic, with screw pipe threads.

(d) Design. Cleanout plugs shall have raised heads except that plugs at floor level shall have counter-sunk slots. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-40; filed Mar 25, 1986, 1:44 pm; 9 IR 1993, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-41 Fixtures and connections**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 41. (a) Quality of Fixtures. Plumbing fixtures shall have smooth impervious finishes, be free from defects and concealed fouling surfaces, be capable of resisting road shock and vibration, and shall conform in quality and design to approved standards.

(b) Strainers. The waste outlet of all plumbing fixtures, other than toilets, shall be equipped with a drain fitting that will provide an adequate unobstructed waterway.

(c) Fixture Connections. Fixture tailpieces and continuous wastes in exposed or accessible locations shall be not less than No. 20 Brown and Sharpe gage seamless drawn-brass tubing or other approved pipe or tubing materials. Inaccessible fixture connections shall be constructed according to the requirements for drainage piping. Each fixture tailpiece, continuous waste, or waste and overflow shall be not less than one and one-half inches (1 1/2") for sinks of two (2) or more compartments, dishwashers, clothes washing machines, laundry tubs, bathtubs, and not less than one and one-fourth inches (1 1/4") for lavatories and single compartment sinks having a two inch (2") maximum drain opening.

(d) Concealed Connections. Concealed connections shall be provided with adequately sized unobstructed access panels and shall be accessible for inspection and repair.

(e) Directional Fitting. An approved or listed "Y" or other directional-type branch fitting shall be installed in every tailpiece or continuous waste that receives the discharge from food waste disposal units, dishwashing, or other force-discharge fixture or appliance. (See 675 IAC 15-2-42(c)(2)). The installation of fixtures shall conform to the following:

(1) Floor outlet or floor mounted fixtures shall be secured to the drainage connection and to the floor when so designed, by screws or bolts of copper, brass or other corrosion-resistant material.

(2) Wall hung fixtures shall be rigidly supported so that strain is not transmitted to the plumbing system.

(3) Where fixtures come in contact with walls or floors, the joint shall be watertight.

(4) Plumbing fixtures shall be functionally accessible.

(5) The center line of water closets shall be not less than fifteen inches (15") from adjacent walls or partitions.

(6) The location of piping, fixtures or equipment shall not interfere with the operation of windows or doors.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-41; filed Mar 25, 1986, 1:44 pm; 9 IR 1994, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-42 Toilets; shower compartments; dishwashers; washing machines**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 42. (a) Toilets shall be as follows:

(1) Each toilet shall be designed and manufactured according to approved standards and shall be equipped with a water flushing device capable of adequately flushing and cleaning the bowl at each operation of the flushing mechanism.

(2) Toilet flushing devices shall be designed to replace the water seal in the bowl after each operation. Flush valves, flushometer valves, and ball cocks shall operate automatically to shut off at the end of each flush or when the tank is filled to operating capacity.

(3) Flush tanks shall be fitted with an overflow pipe large enough to prevent flooding at the maximum flow rate of the ball cock. Overflow pipes shall discharge into the toilet, through the tank.

(4) Toilets that have fouling surfaces that are not thoroughly washed at each discharge shall be prohibited. Any toilet that might permit the contents of the bowl to be siphoned back into the water system shall be prohibited.

(5) Floor Connection. Toilets shall be securely bolted to an approved flange or other approved fitting which is secured to the floor by means of corrosion-resistant plated screws. The bolts shall be of solid brass or other corrosion-resistant material and

shall be not less than one-fourth inch (1/4") in diameter. A watertight seal shall be made between the toilet and flange or other approved fitting by use of a gasket or sealing compound. (See 675 IAC 15-2-13(b).)

(6) Recirculating or mechanical seal toilets may provide for storage of liquid waste and body waste as an integral part of the unit. When a mechanical seal toilet does not contain storage for the retention of liquid waste and body waste it shall be connected to an approved waste holding tank.

(7) Floor or Tank Connections. Toilets, when directly connected to a waste holding tank shall be securely bolted to either the tank or the floor by means of an approved closet flange or other approved fitting. Bolts and screws when used shall be of brass or other noncorrosive material and shall not be less than one-fourth inch (1/4") in diameter. A watertight seal shall be made between the toilet and flange or other approved fittings by the use of a gasket or sealing compound.

(b) Shower compartments shall be as follows:

(1) Each compartment stall shall be provided with an approved watertight receptor with sides and back extending one inch (1") above the finished dam or threshold. In no case shall the depth of a shower receptor be less than two inches (2") or more than nine inches (9") measured from the top of the finished dam or threshold to the top of the drain. The wall area shall be constructed of smooth, noncorrosive, and nonabsorbent waterproof materials to a height not less than six feet (6') above the compartment floor level. Such walls shall form a watertight joint with each other and with the receptor or shower floor. The floor of the compartment shall slope uniformly to the drain at not less than one-fourth inch (1/4") nor more than one-half inch (1/2") per foot. Minimum of nine hundred (900) square inches (thirty inches (30") minimum diameter circle) in floor area.

(2) The joint around the drain connection shall be made watertight by a flange, clamping ring, or other approved listed means.

(3) Shower doors and tub and shower enclosures shall be constructed so as to be waterproof and, if glazed, glazing shall comply with the Indiana Building Code (675 IAC 13-2 [675 IAC 13-2 was repealed filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989.]).

(4) Prefabricated plumbing fixtures shall be approved or listed and shall comply with all applicable requirements relating to such fixtures.

(c) Dishwashing machines shall be as follows:

(1) Dishwashing machines shall not be directly connected to any waste piping, but shall discharge its waste through a fixed air gap installed above the machine. The drain connection from the air gap may connect to an individual trap, to a directional fitting installed in the sink tailpiece, or to the opening provided on the inlet side of a food waste disposal unit.

(2) Drain from a dishwashing machine shall not be connected to a sink tailpiece, continuous waste line, or trap on the discharge side of a food waste disposal unit.

(d) Clothes washing machines shall be as follows:

(1) Clothes washing machines shall drain either into a properly vented trap into a laundry tub tailpiece with watertight connections, into an open standpipe receptor, or over the rim of a laundry tub.

(2) Standpipes shall be one and one-half inches (1 1/2"), minimum, nominal iron pipe size, or one and one-half inches (1 1/2") outside diameter nominal brass tubing not less than No. 20 Brown and Sharpe gauge or one and one-half inches (1 1/2") approved plastic. Receptors shall discharge into a vented trap or shall be connected to a laundry tub tailpiece by means of an approved or listed directional fitting. Each standpipe shall extend not less than eighteen inches (18") or more than thirty inches (30") above its trap and shall terminate in an accessible location no lower than the top of clothes washing machine.

(3) Clothes washing machine drains shall not be connected to the tailpiece, continuous waste, or trap of any sink or dishwashing machine.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-42; filed Mar 25, 1986, 1:44 pm: 9 IR 1994, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-43 Installation of fixtures**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 43. (a) Access. Each plumbing fixture shall be located and installed in a manner to provide easy access for cleaning and repair.

(b) Alignment. Fixtures shall be set level and in true alignment with adjacent walls. Where practical, piping from fixtures shall extend to nearest wall.

(c) Brackets. Wall-hung fixtures shall be rigidly attached to walls by metal brackets or supports without any strain being transmitted to the piping connections. Flush tanks shall be securely fastened to toilets or to the wall with corrosive-resistant materials.

(d) Centerline of water closet shall not be less than fifteen inches (15") from adjacent wall or partition. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-43; filed Mar 25, 1986, 1:44 pm; 9 IR 1995, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-44 Piping strains and stresses**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 44. Piping in a plumbing system shall be installed without undue strains and stresses, and provision shall be made for expansion, contraction, and structural settlement. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-44; filed Mar 25, 1986, 1:44 pm; 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-45 Piping supports**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 45. Piping shall be secured at sufficiently close intervals to keep the pipe in alignment and carry the weight of the pipe and contents. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-45; filed Mar 25, 1986, 1:44 pm; 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-46 Hangers and anchors**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 46. (a) Hangers and anchors shall be of sufficient strength to support their proportional share of the pipe alignments and prevent rattling.

(b) Piping shall be securely attached to the structure by proper hangers, clamps, or brackets which provide protection against motion, vibration, road shock, torque in the chassis, or other unusual conditions. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-46; filed Mar 25, 1986, 1:44 pm; 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-47 Water supply piping; hot water supply system**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 47. (a) Supply Piping. Piping systems shall be sized to provide an adequate quantity of water to each plumbing fixture at a flow rate sufficient to keep the fixture in a clean and sanitary condition without any danger of backflow or siphonage (see Table 1B in 675 IAC 15-2-52(a)).

(b) Hot Water Supply. Each mobile system dwelling unit shall be equipped with a kitchen sink, bathtub or shower and shall be provided with a hot water supply system including a water heater. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-47; filed Mar 25, 1986, 1:44 pm; 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-48 Water connections and outlets**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 48. (a) Water Connection. Each mobile structure with a water distribution system shall be equipped with a three-fourths inch (3/4") threaded inlet connection. This connection shall be tagged or marked "fresh water connection". A matching cap or plug

shall be provided to seal the water inlet when it is not in use, and shall be permanently attached to the mobile structure or water supply piping.

When a mobile structure includes expandable rooms or is composed of two (2) or more units, fittings or connectors designed for such purpose shall be provided to connect any water piping. When not connected, the water piping shall be protected by means of matching caps or plugs in accordance with section 675 IAC 15-2-87(b).

(b) Prohibited connections shall be as follows:

(1) The installation of potable water supply piping, fixture or appliance connections shall be made in a manner to preclude the possibility of backflow.

(2) No part of the water system shall be connected to any drainage or vent piping.

(c) Rim Outlets. The outlets of faucets, spouts, and similar devices shall be spaced at least one inch (1") above the flood level of the fixture.

(d) Appliance Connections. Water supplies connected to clothes washing or dish washing machines shall be protected by an approved or listed fixed air gap provided within the appliance by the manufacturer.

(e) Flushometer Valves or Manually Operated Flush Valves. An approved or listed vacuum breaker shall be installed and maintained in the water supply line on the discharge side of a toilet flushometer valve or manually operated flush valve. Vacuum breakers shall have a minimum clearance of six inches (6") above the flood level of the fixture to the critical level mark unless otherwise permitted in their approval.

(f) Flush Tanks. Toilet flush tanks shall be equipped with an approved anti-siphon ball cock which shall be installed and maintained with its outlet or critical level mark not less than one inch (1") above the full opening of the overflow pipe. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-48; filed Mar 25, 1986, 1:44 pm: 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-49 Water heaters; relief valves; prohibited location**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 49. Relief valves shall be as follows:

(1) All water heaters shall be installed with approved and listed fully automatic valve or valves designed to provide temperature and pressure relief.

(2) Any temperature relief valve or combined pressure and temperature relief valve installed shall have the temperature sensing element immersed in the hottest water within the upper six inches (6") of the tank. It shall be set to start relieving at a pressure of one hundred fifty (150) psi or the rated working pressure of the tank whichever is lower and at or below a water temperature of 210°.

(3) Relief valves shall be provided with full-sized drains which shall be directed downward and discharge beneath the mobile structure. Drain lines shall be of a material listed for hot water distribution and shall drain fully by gravity, shall not be trapped, and shall not have their outlets threaded.

(4) Prohibited Location. Water heaters depending on combustion of fuel, shall not be installed in sleeping rooms, bathrooms/restrooms, closets.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-49; filed Mar 25, 1986, 1:44 pm: 9 IR 1997, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-50 Material standards for water piping and fittings**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 50. (a) Piping Material. Water pipe shall be of standard weight brass, galvanized steel, Type K, L, or M copper tubing, approved or listed plastic, or other approved or listed material.

Plastic Piping. All plastic water piping and fittings in mobile structures must be approved or listed for use with hot water.

(b) Fittings. Appropriate fittings shall be used for all changes in size and where pipes are joined. The material and design of fittings shall conform to the type of piping used.

(1) Fittings for screw piping shall be standard and weight galvanized iron for galvanized iron and steel pipe, and of brass for brass piping. They shall be installed where required for change in direction, reduction of size, or where pipes are joined together.

(2) Fittings for copper tubing shall be cast brass or drawn copper (sweat soldered) or shall be listed or approved fittings for the purpose intended.

(c) Prohibited Material. Used piping materials shall not be permitted. Pipe dope, solder flux, oils, solvents, chemicals, or other substances that are toxic, corrosive, or otherwise detrimental to the water system shall not be used. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-50; filed Mar 25, 1986, 1:44 pm: 9 IR 1997, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-51 Installation of piping**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 51. (a) Minimum Requirement. All piping equipment, appurtenances, and devices shall be installed in workmanlike manner and shall conform with the provisions and intent of this code.

(b) Screw pipe. Iron pipe-size brass or galvanized iron or steel pipe and fittings shall be joined with approved or listed standard pipe threads fully engaged in the fittings. Pipe ends shall be reamed to the full bore of the pipe. Pipe-joint compound shall be insoluble in water, shall be nontoxic and shall be applied to male threads only.

(c) Solder Fittings. Joints in copper water tube shall be made by the appropriate use of approved cast brass or wrought copper fittings, properly soldered together. The surface to be soldered shall be thoroughly cleaned bright by mechanical means. The joints shall be properly fluxed and made with approved solder.

(d) Flared Fittings. A flaring tool shall be used to shape ends of flared tubing to match the flare of fittings.

(e) Plastic Pipe and Fittings. Plastic pipe and fittings shall be joined by installation methods recommended by the manufacturer or by an approved standard. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-51; filed Mar 25, 1986, 1:44 pm: 9 IR 1997, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-52 Size of water supply piping**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 52. (a) Minimum Size. The size of water supply piping and branch lines shall not be not less than sizes shown in Table 1B, as follows:

TABLE 1B  
Minimum *[sic.]* Size Tubing and Pipe for Water  
Distribution Systems

Number of Fixtures	Tubing (Nominal)		Pipe
	Dia. (Inches)	Outer Dia. (Inches)	Iron Pipe Size (Inches)
1	1/4*	3/8	1/2
2	3/8	1/2	1/2
3	1/2	5/8	1/2
4	1/2	5/8	1/2
5 or more	3/4	7/8	3/4

\*6 feet maximum length.

Exception: Three-eighths inch (3/8") nominal diameter or one-half inch (1/2") optional diameter size for clothes washing or dishwashing machines, unless larger size is recommended by the fixture manufacturer.

One-half inch (1/2") nominal diameter or five-eighths inch (5/8") optional diameter minimum size for flushometer or metering tube valves unless otherwise specified in their listing.

No galvanized screw piping shall be less than one-half inch (1/2") iron pipe size.

(b) Sizing Procedure. Both hot and cold water systems shall be computed by the following method:

(1) Size of Branch. Start at the remote outlet on any branch of the hot or cold water piping and progressively count towards the water service connection, computing the total number of fixtures supplied along each section of piping. Where branches are joined together, the number of fixtures on each branch shall be totalled so that no fixture is counted twice. Following down the left-hand column of Table 1B, in (a) above, a corresponding number of fixtures will be found. The required pipe or tubing size is indicated in the other columns on the same line.

(2) A water heater, food waste disposal unit, evaporative cooler or ice maker shall not be counted as a water-using fixture when computing pipe sizes.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-52; filed Mar 25, 1986, 1:44 pm; 9 IR 1997, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-53 Drainage systems; materials**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 53. (a) Pipe. Drainage piping shall be standard weight steel, wrought iron, brass, copper tube DWV, listed plastic, cast iron, or other approved or listed materials. Drainage piping shall be designed to provide for one-fourth inch (1/4") per foot grade in horizontal piping.

EXCEPTION: Horizontal drainage piping may have a uniform slope of not less than one-eighth (1/8) of an inch per foot or one (1) percent toward the point of disposal provided accessible cleanouts are installed per Section 40 of this code.

(b) Fittings. Drainage fittings shall be recessed drainage pattern with smooth interior waterways of the same diameter as piping and shall be of a material conforming to the type of piping used. Fittings for screw pipe shall be cast iron, malleable iron, brass, or listed plastic with standard pipe threads. Fittings for copper tubing shall be cast brass or wrought copper. Socket-type fittings for plastic piping shall comply with listed standards. Brass or bronze adapter or wrought copper fittings shall be used to join copper tubing to the threaded pipe. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-53; filed Mar 25, 1986, 1:44 pm; 9 IR 1998, eff Jun 15, 1986; filed Sep 19, 1986, 9:15 am; 10 IR 237; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-54 Drain outlets**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 54. (a) Clearance from Drain Outlet. The drain outlet shall be provided with a minimum clearance of three inches (3") in any direction from all parts of the structure or appurtenances and with not less than eighteen inches (18") unrestricted clearance directly in front of the drain outlet.

(b) Drain Connector. The drain connector shall not be smaller than the piping to which it is connected and shall be equipped with a watertight cap or plug matching the drain outlet. The cap or plug shall be permanently attached to the mobile structure or drain outlet.

(c) The drain outlet and drain connector shall not be less than three inches (3") inside diameter.

(d) Preassembly of Drain Lines. Drain lines, provided by the manufacturer located under the mobile structure designed to bring the drain system to one distribution point and which may be damaged in transit, must be designed for proper site assembly. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-54; filed Mar 25, 1986, 1:44 pm; 9 IR 1998, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-55 Drain connections**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 55. (a) Fixture Connections. Drainage piping shall be provided with approved or listed inlet fittings for fixture connections, correctly located according to the size and type of fixture to be connected.

(b) Toilet Connection. The drain connection for each toilet shall be three inches (3") minimum inside diameter and shall be

fitted with an iron, brass, or listed plastic floor flange adaptor ring securely screwed, soldered or otherwise permanently attached to the drain piping, in an approved manner and securely fastened to the floor. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-55; filed Mar 25, 1986, 1:44 pm; 9 IR 1998, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-56 Size of drainage piping**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 56. Fixture Load. Except as provided by 675 IAC 15-2-52, drain pipe sizes shall be determined by the type of fixture and the total number connected to each drain.

(1) Fixture Unit. A one and one-half inch (1 1/2") minimum diameter piping shall be required for one (1) and not more than three (3) individually vented fixtures.

(2) Fixture Unit. A two inch (2") minimum diameter piping shall be required for four (4) or more fixtures individually vented.

(3) A three inch (3") minimum diameter piping shall be required for toilets.

(4) When a combination of two (2) or more water closets, sinks, showers, urinals, or clothes washing equipment are installed, the Indiana plumbing code shall apply for mobile system-commercial transitory plumbing systems.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-56; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-57 Wet-vented drainage system**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 57. (a) A common vent may be used for two (2) fixtures set on the same floor level but connecting at different levels in the stack, provided the vertical drain is one pipe diameter larger than the upper fixture drain but in no case smaller than the lower fixture drain, whichever is the larger.

(b) Length of Trap Arm. Fixture traps shall be located within the distance given in Table 2B, in 675 IAC 15-2-62. Not more than one (1) trap shall connect to a trap arm. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-57; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-58 Offsets and branch fittings**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 58. (a) Changes in Direction. Changes in direction of drainage piping shall be made by the appropriate use of approved or listed fittings, and shall be of the following angles: 1/32 bend, 1/16 bend, 1/8 bend, 1/6 bend, or 1/4 bend; or other approved or listed fittings or combination of fittings with equivalent radius or sweep.

(b) Horizontal to Vertical. Horizontal drainage lines, connecting with a vertical pipe shall enter through 1/8 bend "Y" branches, 1/6 bend "Y" branches, long-turn "TY" branches, sanitary "T" branches, or other approved or listed fittings, or combination of fittings having equivalent sweep. Fittings having more than one (1) branch at the same level shall not be used, unless the fitting is constructed so that the discharge from any one (1) branch cannot readily enter any other branch. However, a double sanitary "T" may be used when the drain line is increased not less than two (2) pipe sizes.

(c) Horizontal to Horizontal and Vertical to Horizontal. Horizontal drainage lines connecting with other horizontal drainage lines or vertical drainage lines connected with horizontal drainage lines shall enter through 1/8 bend degree "Y" branches, long-turn "TY" branches, or other approved or listed fittings or combination of fittings having equivalent sweep. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-58; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-59 Grade of horizontal drainage piping**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 59. Except for fixture connections on the inlet side of the trap, horizontal drainage piping shall be run in practical alignment and have a uniform grade of not less than one-fourth inch (1/4") per foot toward the mobile structure drain outlet. Where it is impractical, due to the structural features or arrangement of any mobile structure, to obtain a grade of one-fourth inch (1/4") per foot, the pipe or piping may have a grade of not less than one-eighth inch (1/8") per foot, when a full size cleanout is installed at the upper end. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-59; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-60 Vent piping and fittings**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 60. (a) Each plumbing fixture trap shall be protected against siphonage and back pressure, and air circulation shall be ensured throughout all parts of the drainage system by means of vents installed in accordance with the requirements of this section and as otherwise required by this code. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-60; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-61 Material standards for vent piping and fittings**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 61. (a) Pipe. Vent piping shall be standard weight steel, wrought iron, brass, copper tube DWV, listed plastic cast iron or other approved or listed materials.

(b) Fittings. Appropriate fittings shall be used for all changes in direction or size and where pipes are joined. The material and design of vent fittings shall conform to the type of piping used.

(1) Fittings for screw pipe shall be cast iron, malleable iron, plastic, or brass, with standard pipe threads.

(2) Fittings for copper tubing shall be cast brass or wrought copper.

(3) Fittings for plastic piping shall be of appropriate material and made to approved or applicable standards.

(4) Brass adaptor fittings or wrought copper shall be used to join copper tubing to threaded pipe.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-61; filed Mar 25, 1986, 1:44 pm; 9 IR 2000, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-62 Size of vent piping**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 62. (a) Main Vent. The drain piping for each toilet shall be vented by a one and one-half inch (1 1/2") minimum diameter vent connected to the main drain by one of the following methods:

(1) A one and one-half inch (1 1/2") diameter (min.) individual vent pipe or equivalent directly connected to the toilet drain and extended undiminished outside through the roof.

(2) A one and one-half inch (1 1/2") diameter (min.) continuous vent or equivalent indirectly connected to the toilet drain piping through a two inch (2") wet-vented drain that carries the waste of not more than one (1) fixture.

(3) Two (2) or more vented drains when at least one is wet-vented, or two inch (2") diameter (minimum), and each drain is separately connected to the main drain.

(b) Individual Vents. Unless protected with an anti-siphon trap vent device, each individually vented fixture with a one and one-half inch (1 1/2") or smaller trap shall be provided with a vent pipe equivalent in area to a one and one-fourth inch (1 1/4") nominal pipe size. The main vent, toilet vent and relief vent, and the continuous vent of wet-vented systems shall have an area

equivalent to a one and one-half inch (1 1/2") nominal pipe size.

(c) Common Vent. When two fixture traps located within the distance allowed from their vent have their trap arms connected separately at the same level into an approved double fitting, an individual vent pipe may serve as a common vent without any increase in size.

(d) Intersecting Vents. Where two (2) or more vent pipes are joined together no increase in size shall be required; however, the largest vent pipe shall extend full size through the roof.

(e) Distance of fixture trap from vent shall not exceed the values given in Table 2B, below.

(f) When a combination of two (2) or more water closets, sinks, showers, urinals, or clothes washing equipment are installed the Indiana plumbing code (675 IAC 16-1 [675 IAC 16-1 was repealed filed Sep 22, 1988, 2:35 p.m.: 12 IR 341, eff Jan 2, 1989. See 675 IAC 16-1.2.] shall apply for mobile system—commercial transitory.

TABLE 2B

Maximum Distance of Fixture Trap from Vent	
Size of Fixture Drain (Inches)	Distance Trap to Vent
1 1/4	4 feet 6 inches
1 1/2	5 feet 0 inches
2	5 feet 0 inches
3	6 feet 0 inches

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-62; filed Mar 25, 1986, 1:44 pm: 9 IR 2000, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-63 Anti-siphon trap vent**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 63. (a) Anti-Siphon Trap Devices. Where an anti-siphon trap vent device is used as a secondary vent, it shall be installed in accordance with the conditions of its listing and shall be accessible. The lowest point of the valve seal when in the normally closed position shall not be less than six inches (6") above the flood level of the fixture. The toilet shall be vented in accordance with 675 IAC 15-2-62. Only anti-siphon trap vent devices which have been approved shall be installed.

(b) Not more than two (2) fixtures individually protected by anti-siphon trap vent devices shall be drained by a common one and one-half inch (1 1/2") drain.

(c) Three (3) or more fixtures individually protected by anti-siphon trap vent devices shall be drained by a common two inch (2") drain. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-63; filed Mar 25, 1986, 1:44 pm: 9 IR 2000, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-64 Horizontal vent connections and grade**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 64. (a) Horizontal Vents. Each vent shall extend vertically from its fixture "T" above the extreme flood level of the fixture it is venting before offsetting horizontally or being connected with any other vent pipe. Vents for horizontal drains shall connect above the centerline of the drain piping ahead of the trap.

(b) Grade. Vents shall be designed to drain back to the drainage system by gravity. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-64; filed Mar 25, 1986, 1:44 pm: 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-65 Vent terminal**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 65. (a) Roof Extension. Each vent pipe shall extend through its flashing and terminate vertically, undiminished in size not less than two inches (2") above the roof. Vent openings shall not be less than three feet, zero inches (3' 0") away from any motor-driven air intake that opens into habitable areas.

(b) Flashing. The opening around each vent pipe shall be made watertight by an adequate flashing or flashing materials. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-65; filed Mar 25, 1986, 1:44 pm; 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-66 Vent caps**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 66. Vent caps, if provided, shall be of the removable type (without removing the flashing from the roof where it is required to perform tests required by 675 IAC 15-2-68) or when the vent is used as a clean out. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-66; filed Mar 25, 1986, 1:44 pm; 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-67 Water pressure tests**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 67. Water System. All water piping in the water distribution systems shall be subjected to a pressure test. The test shall be made by subjecting the system to air or water at fifty (50) psi for fifteen (15) minutes without loss of pressure. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-67; filed Mar 25, 1986, 1:44 pm; 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-68 Waste and vent system tests**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 68. The waste and vent system shall be tested by one (1) of the three (3) following alternate methods for evidence or indication of leakage.

(1) Water Test. Before plumbing fixtures are connected, all of the openings into the piping shall be plugged and the entire piping system subjected to a static water test for fifteen (15) minutes by filling it with water to the top of the highest vent opening. There shall be no evidence of leakage.

(2) Air Test. After all fixtures have been installed, the traps filled with water and the remaining openings securely plugged, the entire system shall be subjected to a two inch (2") (manometer) water column air pressure test. If the system loses pressure, leaks may be located with smoke pumped into the system, or with soap suds spread on the exterior of the piping (Bubble Test).

(3) Flood Level Test. The mobile structure shall be in a level position, all fixtures shall be connected, and the entire system shall be filled with water to the rim of the toilet bowl. (Tub and shower drains shall be plugged.) After all trapped air has been released, the test shall be sustained for not less than fifteen (15) minutes without evidence of leaks. Then the system shall be unplugged and emptied. The waste piping above the level of the toilet bowl shall then be tested and show no indication of leakage when the high fixtures are filled with water and emptied simultaneously to obtain the maximum possible flow in the drain piping. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-68; filed Mar 25, 1986, 1:44 pm; 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-69 Fixture tests**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 69. The plumbing fixtures and connections shall be subjected to a slow test by filling them with water and checking for

leaks and retarded flow while they are being emptied. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-69; filed Mar 25, 1986, 1:44 pm: 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-70 Shower compartment tests**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 70. Nonmetallic shower compartments and receptors shall be tested for leaks prior to being covered by finish material. Each pan shall be filled with water to the top of the dam for not less than fifteen (15) minutes. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-70; filed Mar 25, 1986, 1:44 pm: 9 IR 2002, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-71 Scope of heating, cooling, and fuel-burning system standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 71. (a) The provisions of 675 IAC 15-2-71–675 IAC 15-2-87 cover the heating, cooling, and fuel burning systems and equipment installed within or on mobile structures except for commercial mobile structures which shall conform to the Indiana mechanical code (675 IAC 18-1 [*675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.*]).

(b) Wherever rules of the commission and the provisions of 675 IAC 15-2-71–675 IAC 15-2-87 differ, the requirements of the provisions of 675 IAC 15-2-71–675 IAC 15-2-87 shall apply. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-71; filed Mar 25, 1986, 1:44 pm: 9 IR 2002, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-72 Definitions for heating, cooling, and fuel-burning systems**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 72. The following definitions are common to the provisions of 675 IAC 15-2-71–675 IAC 15-2-87.

“Accessible” means having access to a fixture, connection, appliance or equipment, but which may require the removal of an access panel, door or similar obstruction without removing permanent construction.

“Air duct” means conduits or passageways for conveying air to or from heating, cooling, air conditioning or ventilation equipment, but not including the plenum.

“Automatic pump (oil lifter)” means a pump, not an integral part of the oil-burning appliance, that automatically pumps oil from the supply tank and delivers the oil by gravity under a constant head to an oil-burning appliance.

“British thermal unit (BTU)” means the quantity of heat required to raise the temperature of one (1) pound of water one (1) degree Fahrenheit.

“BTU/H” means british thermal units per hour.

“Burner” means a device for the final conveyance of fuel or a mixture of fuel and air to the combustion zone.

“Class 0 air ducts” means ducts of materials and connectors having a fire-hazard classification of zero.

“Class 1 air ducts” means ducts of materials and connectors having a flame-spread rating of not over twenty-five (25) without evidence of continued progressive combustion and a smoke-developed rating of not over fifty (50).\*

“Class 2 air ducts” means ducts of materials and connectors having a flame-spread rating of not over fifty (50) without evidence of continued progressive combustion and a smoke-developed rating of not over fifty (50) for the inside surface and not over one hundred (100) for the outside surface.\*

\*Flame-spread and smoke developed ratings are measured as specified in the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22-1).

“Clearance” means the distance between the appliance, chimney, vent, chimney or vent connector or plenum and the nearest surface.

“Connector-gas appliance” means a flexible or semi-rigid connector listed as required by the Indiana Mechanical Code (675

IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.] and used to convey fuel gas, three feet (3') or less in length (six feet (6') or less for gas ranges), between a gas outlet and a gas appliance in the same room with the outlet.

"Factory-built fireplace" means a hearth, fire chamber and chimney assembly composed of listed factory-built components assembled in accordance with the terms of listing to form a complete fireplace.

"Fireplace stove" means a chimney connected solid fuel-burning stove having listed part of its fire chamber open to the room.

"Fuel gas piping system" means the arrangement of piping, tubing, fittings, connectors, valves and devices designed and intended to supply or control the flow of fuel oil to the appliance(s).

"Gas clothes dryer" means a device used to dry wet laundry by means of heat derived from the combustion of fuel gases. Dryer classifications are as follows:

(1) Type 1. Factory-built package, multiple produced. Primarily used in family living environment. May or may not be coin-operated for public use. Usually the smallest unit physically and in function output.

(2) Type 2. Factory-built package, multiple produced. Used in business with direct intercourse of the function with the public. May or may not be operated by public or hired attendant. May or may not be coin-operated. Not designed for use in individual family living environment. May be small, medium, or large in relative size.

"Gas refrigerator" means a gas-burning appliance which is designed to extract heat from a suitable chamber.

"Gas supply connection" means the terminal end or connection to which a gas supply connector is attached.

"Gas supply connector" means tubing or piping connecting the mobile structure to the gas supply source.

"Gas vents" means factory-built vent piping and vent fittings listed by an approved testing agency, that are assembled and used in accordance with the terms of their listings, for conveying flue gases to the outside atmosphere.

(1) Type B Gas Vent. A gas vent for venting gas appliances with draft hoods and other gas appliances listed for use with Type B Gas Vent.

(2) Type BW Gas Vent. A gas vent for venting listed gas-fired vented wall furnaces.

"Heat producing appliance" means all heating and cooking appliances and all fuel burning appliances.

"Heating appliance" means an appliance for comfort heating of a mobile structure or for water heating.

"Liquefied petroleum gases", "LPG" and "LP-gas" as used in this code shall mean and include any material which is composed predominantly of any of the following hydrocarbons, or mixtures of them: propane, propylene, butanes (normal butane or isobutane), and butylenes.

"Plenum" means an air compartment which is part of an air-distributing system, to which one (1) or more ducts are connected.

(1) Furnace supply plenum is a plenum attached directly to, or an integral part of, the air supply outlet of the furnace.

(2) Furnace return plenum is a plenum attached directly to, or an integral part of, the return inlet of the furnace.

"Quick-disconnect device" means a hand-operated device which provides a means for connection gas systems and which is equipped with an automatic means to shut off the gas supply when the device is disconnected.

"Readily accessible" means having direct access without the necessity of removing any panel, door, or similar obstruction.

"Roof jack" means that portion of a mobile structure heater flue or vent assembly, including the cap, insulation means, flashing, and ceiling plate, located in and above the roof cavity of a mobile structure.

"Sealed combustion system appliance" means an appliance which by its inherent design is constructed so that all air supplied for combustion, the combustion system of the appliance, and all products of combustion are completely isolated from the atmosphere of the space in which it is installed.

"Water heater" means an appliance for heating water for domestic purposes other than for space heating. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-72; filed Mar 25, 1986, 1:44 pm: 9 IR 2002, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

### **675 IAC 15-2-73 LP-gas systems; service line pressure**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 73. (a) System S shall be of the vapor-withdrawal type.

(b) Gas, at a pressure not over fourteen inches (14") water (one-half (1/2) psi) shall be delivered from the system into the gas supply connection. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-73; filed Mar 25, 1986, 1:44 pm: 9 IR 2003,*

*eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-74 LP-gas containers**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 74. (a) Maximum Capacity. No more than two (2) containers having an individual water capacity of not more than one hundred five (105) pounds (approximately forty-five (45) pounds LP-gas capacity), shall be installed on or in a compartment of any mobile structure.

(b) Construction of Containers. Containers shall be constructed and marked in accordance with the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22-1).

(c) Location of LP-gas containers and systems shall be as follows:

(1) LP-gas containers shall not be installed, nor shall provisions be made for installing or storing any LP-gas container, event *[sic.]* temporarily, inside any mobile structure except of listed, completely self-contained hand torches, lanterns, or similar equipment with containers having a maximum water capacity of not more than two and one-half (2 1/2) pounds (approximately one (1) pound LP-gas capacity).

(2) Containers, control valves, and regulating equipment, when installed shall be mounted on the hitch of the mobile structure, or installed in a compartment that is vaportight to the inside of the mobile structure and accessible only from the outside. The compartment shall be ventilated at top and bottom to facilitate diffusion of vapors. The compartment shall be ventilated with two vents having an aggregate area of not less than two percent (2%) of the floor area of the compartment and shall open unrestricted to the outside atmosphere. The required vents shall be equally distributed between the floor and ceiling of the compartment. If the lower vent is located in the access door or wall, the bottom edge of the vent shall be flush with the floor level of the compartment. The top vent shall be located in the access door or wall with the bottom of the vent not more than twelve inches (12") below the ceiling level of the compartment. All vents shall have an unrestricted discharge to the outside atmosphere. Access doors or panels of compartments shall not be equipped with locks or require special tools or knowledge to open.

(3) Permanent and removable fuel containers shall be securely mounted to prevent jarring loose, slipping or rotating and the fastenings shall be designed and construed *[sic.]* to withstand static loading in any direction equal to twice the weight less than four (4) based on the ultimate strength of the material to be used.

(d) LP-gas container valves and accessories shall be as follows:

(1) Valves in the assembly of a two-cylinder system shall be arranged so that replacement of containers can be made without shutting off the flow of gas to the appliance(s). This provision is not to be constructed as requiring an automatic change-over device.

(2) Shutoff valves on the containers shall be protected as follows, in transit, in storage, and while being moved into final utilization:

(A) by setting into a recess of the container to prevent possibility of their being struck if container is dropped upon a flat surface, or,

(B) by ventilated cap or collar, fastened to the container, capable of withstanding a blow from any direction equivalent to that of a thirty (30) pound weight dropped four feet (4'). Construction shall be such that the blow will not be transmitted to the valve.

(3) Regulators shall be connected directly to the container shutoff valve outlets or mounted securely by means of a support bracket and connected to the container shutoff valve or valves with listed high pressure connections. If the container is permanently mounted, the connector shall be as required above or with a listed semi-rigid tubing connector.

(e) LP-gas safety devices shall be as follows:

(1) DOT containers shall be provided with safety relief devices as required by the Indiana Flammable and Combustible Liquid and Gases Code (675 IAC 22-1). Safety relief valves shall have direct communication with the vapor space of the vessel.

(2) The delivery side of the gas pressure regulator shall be equipped with a safety relief device set to discharge at a pressure not less than two (2) times and not more than three (3) times the delivery pressure of the regulator.

(3) Systems mounted on the hitch assembly shall be so located that the discharge from the safety relief devices shall be into the open air and not less than three feet (3') horizontally from any opening into the mobile structure below the level of such

discharge.

(4) Safety relief valves located within liquefied petroleum gas container compartments may be less than three feet (3') from openings provided:

(A) the bottom vent of the compartment is at the same level or lower than the bottom of any opening into the vehicle, or,

(B) the compartment is not located on the same wall plane as the opening(s) and is at least two feet (2') horizontally from such openings.

(f) LP-gas system enclosure and mounting shall be as follows:

(1) Housings and enclosures shall be designed to provide proper ventilation at least equivalent to that specified in (c)(2) of this section.

(2) Doors, hoods, domes, or portions of housings and enclosures required to be removed or opened for replacement of containers shall incorporate means for clamping them firmly in place and preventing them from working loose during transit.

(3) Provisions shall be incorporated in the assembly to hold the containers firmly in position and prevent their movement during transit.

(4) Containers shall be mounted on a substantial support or a base secured firmly to the vehicle chassis. Neither the container nor its support shall extend below the mobile structure frame.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-74; filed Mar 25, 1986, 1:44 pm; 9 IR 2003, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

#### **675 IAC 15-2-75 Oil tanks**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 75. (a) Installation. Oil tanks and listed automatic pumps (oil filters) installed for gravity flow of oil to heating equipment shall be installed so that the top of the tank is no higher than eight feet (8') above the appliance oil control and the bottom of the tank is not less than eighteen inches (18") above the appliance oil control.

(b) Auxiliary Storage Tank. Oil supply tanks affixed to a mobile structure shall be so located as to require filling and draining from the outside and shall be in a place readily available for inspection. If the fuel supply tank is located in a compartment of a mobile structure and the compartment shall be ventilated at the bottom to permit diffusion of vapors and shall be insulated from the structural members of the body. Tanks so installed shall be provided with an outside fill and vent pipe and an approved liquid level gauge.

(c) Shutoff Valve. A readily accessible, approved manual shutoff valve shall be installed at the outlet of an oil supply tank. The valve shall be installed to close against the supply.

(d) Fuel Oil Filters. All oil tanks, except for integrally mounted tanks, shall be equipped with an approved oil filter or strainer located downstream from the tank shutoff valve. The fuel oil filter or strainer shall contain a sump with a drain for the entrapment of water. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-75; filed Mar 25, 1986, 1:44 pm; 9 IR 2005, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

#### **675 IAC 15-2-76 Gas piping systems**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 76. (a) General. The requirements of this section shall govern the installation of all fuel gas piping attached to any mobile structure. Gas delivered into the gas supply system shall be at a pressure not exceeding fourteen inch (14") water column (1/2 psi). None of the requirements listed in this section shall apply to the piping as a part of an appliance.

Rodent Resistance. All exterior openings around piping, ducts, plenums or vents shall be sealed to resist the entrance of rodents.

(b) Materials. All materials used for the installation, extension, alteration, or repair of any gas piping system shall be new and free from defects or internal obstructions. It shall not be permissible to repair defects in gas piping or fittings. Inferior or defective materials shall be removed and replaced with acceptable material. The system shall be made of materials having a melting point of

not less than 1,450° F, except as provided in (e).

(1) Steel or wrought-iron pipe shall comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). Threaded brass pipe in iron pipe sizes may be used. Threaded brass pipe shall comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]).

(2) Fittings for gas piping shall be wrought iron, malleable iron, steel, or brass (containing not more than seventy-five percent (75%) copper).

(3) Copper tubing shall be annealed type, Grade K or L, shall conform to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). When used on systems designed for natural gas, such tubing shall be internally tinned.

(4) Steel tubing shall conform to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]).

(c) Piping Design. Each mobile structure requiring fuel gas for any purpose shall be equipped with a fuel gas piping system that is designed for LP-gas only or with a natural gas piping system acceptable for LP-gas. Where fuel gas piping is to be installed in both portions of an expandable or dual mobile structure, the design and construction of the crossover shall be as follows:

(1) There shall be only one point of crossover which shall be located not more than eighteen inches (18") from either the front or rear wall and shall be readily accessible from the exterior of the mobile structure.

(2) The connector between units shall be a listed type for exterior use, sized in accordance with (d) of this section.

(3) The connection shall be made by a listed "quick disconnect" device which shall be designed to provide a positive seal of the supply side of the gas system when such device is separated.

(4) The flexible connector and "quick disconnect" device shall be provided with protection from mechanical and impact damage and located to minimize the possibility of tampering.

(5) Suitable protective coverings for the "quick disconnect" device, when separated shall be permanently attached to the device or flexible connector.

(6) A three inch by one and three-quarters inch (3" × 1 3/4") minimum size tag made of etched metal-stamped or embossed brass, stainless steel, anodized or alclad aluminum not less than 0.20 inch thick, or other approved material (e.g., 0.005 inch plastic laminates) shall be permanently attached on the exterior wall adjacent to the access to "quick disconnect" device. Each tag shall be legibly inscribed with the following information using letters no smaller than one-fourth inch (1/4") high:

Do not Use Tools to Separate the "Quick Disconnect" Device

(d) Gas Pipe Sizing. Gas piping systems shall be sized so that the pressure drop to any appliance inlet connection from any gas supply connection, when all appliances are in operation at maximum capacity, is not more than 0.5 inch water column as determined on the basis of test, or in accordance with Table 3B. The natural gas supply connection(s) shall be not less than the [sic.] size of the gas piping but shall not be smaller than three-fourths inch (3/4") nominal pipe size.

NOTE: For an example of how to determine the required pipe size, see the National Fuel Gas Code NFPA No. 54.

(e) Joints for Gas Pipe. All pipe joints in the piping system, unless welded or brazed, shall be threaded joints that comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). Right and left nipples or couplings shall not be used. Unions, if used shall be of ground joint type. The material used for welding or brazing pipe connections shall have a melting temperature in excess of 1000° F.

(f) Joints for Tubing. Joints on tubing shall be made with either a single or double flare of the proper degree, as recommended by the tubing manufacturer, by means of listed gas tubing fittings, or by being brazed with material having a melting point exceeding 1000° F.

(g) Pipe Joint Compound. Screw joints shall be made up tight with listed pipe joint compound, insoluble in liquefied petroleum gas, and shall be applied to the male threads only.

(h) Concealed Tubing. Tubing shall not be run inside walls, floors, partitions, or roofs. Where tubing passes through walls, floors, partitions, roofs, or similar installations, such tubing shall be protected by the use of weather resistant grommets that shall snugly fit both the tubing and the hole through which the tubing passes.

(i) Concealed Joints. Piping or tubing joints shall not be located in any floor, wall partition, or similar concealed construction

space.

(j) Location of Gas Supply Connection. (1) For LP-gas only systems the supply connection shall be located at the “A” frame, container recess, or in the rear half of the total length of the mobile structure and within eighteen inches (18”) from the left (road) side wall, and should be as close as possible to a point thirty feet (30’) from the front of the mobile structure.

(2) For combination LP-gas and natural gas systems, the natural gas supply connection shall be located under the rear half of the total length of the mobile structure and within twenty-four inches (24”) of the left (road) side wall and be located as close as possible to a point thirty feet (30’) from the front of the mobile structure. An additional connection, if used, shall be located at the hitch. The system shall be sized to provide adequate capacity from either supply connection for natural gas.

(k) Identification of Gas Supply Connections. Each mobile structure shall have permanently affixed to the exterior skin at or near each gas supply connection or the end of the pipe, a tag of three inches by one and three-quarter inches (3" × 1 3/4") minimum size, made of etched metal-stamped or embossed brass, stainless steel, anodized or alclad aluminum not less than 0.020 inch thick, or other approved material (e.g., 0.005 inch plastic laminates), which reads (as appropriate) in accordance with one of the following label designs depending upon the fuel used. The connector capacity indicated on this tag shall be equal to or greater than the total Btu/h rating of all intended gas appliances.

<p><b>LP-Gas System</b></p> <p>This gas piping system is designed for use of liquefied petroleum gas only.</p> <p><b>DO NOT CONNECT NATURAL GAS TO THIS SYSTEM.</b></p> <p><b>CONTAINER SHUTOFF VALVES SHALL BE CLOSED DURING TRANSIT.</b></p> <p>When connecting to lot outlet, use a listed gas supply connector for mobile structures rated at</p> <div style="display: flex; justify-content: center; gap: 20px;"> <div style="text-align: center;"><input type="checkbox"/></div> <div>100,000 Btuh or more.</div> </div> <div style="display: flex; justify-content: center; gap: 20px;"> <div style="text-align: center;"><input type="checkbox"/></div> <div>250,000</div> </div> <p>Before turning on gas, make certain all gas connections have been made tight, all appliance valves are turned off, and any unconnected outlets are capped.</p> <p>After turning on gas, test gas piping and connections to appliances for leakage with soapy water or bubble solution, and light all pilots.</p>
<p><b>Combination LP-Gas and Natural Gas System</b></p> <p>This gas piping system is designed for use of either liquefied petroleum gas or natural gas.</p> <p><b>NOTICE: BEFORE TURNING ON GAS BE CERTAIN APPLIANCES ARE DESIGNED FOR THE GAS CONNECTED AND ARE EQUIPPED WITH CORRECT ORIFICES. SECURELY CAP THIS INLET WHEN NOT CONNECTED FOR USE.</b></p> <p>When connecting to lot outlet, use a listed gas supply connector for mobile structures rated at</p> <div style="display: flex; justify-content: center; gap: 20px;"> <div style="text-align: center;"><input type="checkbox"/></div> <div>100,000 Btuh or more.</div> </div> <div style="display: flex; justify-content: center; gap: 20px;"> <div style="text-align: center;"><input type="checkbox"/></div> <div>250,000</div> </div>

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Before turning on gas, make certain all gas connections have been made tight, all appliance valves are turned off, and any unconnected outlets are capped.  
 After turning on gas, test gas piping and connections to appliances for leakage with soapy water or bubble solution, and light all pilots.

TABLE NO. 3B

Maximum Capacity of Different Sizes of Pipe and Tubing in Thousands of Btu's Per Hour of Natural Gas For Gas Pressure of 0.5 Psig or Less and a Maximum Pressure Drop of 1/2 Inch Water Column

I.D.	Iron Pipe Size										O.D.	Tubing									
	Length in Feet											Length in Feet									
	10	20	30	40	50	60	70	80	90	100		10	20	30	40	50	60	70	80	90	100
3/4"	43	29	24	20	18	16	15	14	13	12	3/8"	27	18	15	13	11	10	9	9	8	8
3/8"	95	65	52	45	40	36	33	31	29	27	1/2"	56	38	31	26	23	21	19	18	17	16
1/2"	175	120	97	82	73	66	61	57	53	50	5/8"	113	78	62	53	47	43	39	37	34	33
3/4"	360	250	200	170	151	138	125	118	110	103	3/4"	197	136	109	93	83	75	69	64	60	57
1"	680	465	375	320	285	260	240	220	215	195	7/8"	280	193	155	132	117	106	98	91	85	81

PART II

Maximum Capacity of Different Sizes of Pipe and Tubing in Thousands of Btu's Per Hour of Undiluted Liquefied Petroleum Gas Based on a Maximum Pressure Drop of 1/2 Inch Water Column

I.D.	Iron Pipe Size										O.D.	Tubing									
	Length in Feet											Length in Feet									
	10	20	30	40	50	60	70	80	90	100		10	20	30	40	50	60	70	80	90	100
1/4"	67	46	37	31	28	25	23	21	20	19	3/8"	39	26	21	19	-	-	-	-	-	-
3/8"	147	101	81	70	62	56	51	48	45	42	1/2"	92	62	50	41	37	35	31	29	27	26
1/2"	275	189	152	129	114	103	96	89	83	78	5/8"	199	131	107	90	79	72	67	62	59	55
3/4"	567	393	315	267	237	217	196	185	173	162	3/4"	329	216	181	145	131	121	112	104	95	90
1"	1071	732	590	504	448	409	378	346	322	307	7/8"	501	346	277	233	198	187	164	155	146	138

(l) Gas Supply Connectors. LP-Gas. A listed LP-gas flexible connector conforming to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]) or equal shall be supplied when the fuel gas piping system is designed for the use of LP-gas and cylinder(s) and regulator(s) are supplied.

(m) Appliance Connections. All gas burning appliances shall be connected to the fuel piping. Materials as provided in this section or listed appliance connectors shall be used. Listed appliance connectors when used shall not run through walls, floors, ceilings or partitions. Connectors of aluminum shall not be used outdoors.

Exterior Appliance Connection. A mobile structure containing an LPG or combination LP-natural-gas-system may be provided with a gas outlet to supply exterior appliances when installed in accordance with the following:

- (1) No portion of the completed installation shall project beyond the wall of the mobile structure.
- (2) The outlet shall be provided with an approved "quick disconnect" device, which shall be designed to provide a positive seal on the supply side of the gas system when the appliance is disconnected. A shutoff valve shall be installed immediately upstream of the quick disconnect device. The complete device shall be provided as part of the original installation.
- (3) Protective caps or plugs for the "quick disconnect" device, when disconnected shall be permanently attached to the mobile structure adjacent to the device.
- (4) A tag shall be permanently attached to the outside of the exterior wall of the mobile structure as close as possible to the gas supply connection. The tag shall indicate the type of gas and the Btu/h capacity of the outlet and shall be legibly inscribed

as follows:

THIS OUTLET IS DESIGNED FOR USE WITH GAS PORTABLE APPLIANCES WHOSE TOTAL INPUT DO NOT EXCEED \_\_\_\_\_ BTU/H. REPLACE PROTECTIVE COVERING OVER CONNECTOR WHEN NOT IN USE.

(n) Valves. Shutoff valves used in connection with gas piping shall be of a type designed and listed for use on LP-gas.

A shutoff valve shall be installed in the fuel piping outside of each gas appliance but inside the mobile structure, upstream of the union or connector in addition to any valve on the appliance. The shutoff valve shall be located within six feet (6') of a cooking appliance and within three feet (3') of any other appliance. A shutoff valve may serve more than one (1) appliance if located as required above.

(o) Gas Piping System Openings. All openings in the gas piping system shall be closed gas-tight with threaded pipe plugs or pipe caps.

(p) Electrical Ground. Gas piping shall not be used for an electrical ground.

(q) Couplings. Pipe couplings and unions shall be used to join sections of threaded piping. Right and left nipples or couplings shall not be used.

(r) Hangers and Supports. All gas piping shall be adequately supported or galvanized or equivalently protected metal straps or hangers at intervals of not more than four feet (4'), except where adequate support and protection is provided by structural members. Solid-iron-pipe gas supply connection(s) shall be rigidly anchored to a structural member within six inches (6") of the supply connection(s).

(s) Testing for Leakage. (1) Before Appliances are Connected. Piping systems shall stand a pressure of at least six inches (6") mercury or three (3) PSI gauge for a period of not less than ten (10) minutes without showing any drop in pressure. Pressure shall be measured with a mercury manometer or slope gauge calibrated so as to be read in increments of not greater than one-tenth (1/10) pound, or an equivalent device. The source of pressure shall be isolated before the pressure tests are made. Before a test is begun, the temperature of the ambient air and of the piping shall be approximately the same and constant air temperature be maintained throughout the test.

(2) After appliances are connected, the piping system shall be pressurized to not less than ten inches (10") nor more than fourteen inches (14") water column and the appliance connections tested for leakage with soapy water or bubble solution. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-76; filed Mar 25, 1986, 1:44 pm; 9 IR 2005, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

### **675 IAC 15-2-77 Oil piping systems**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 77. (a) General. The requirements of this section shall govern the installation of all liquid fuel piping attached to any mobile structure. None of the requirements listed in this section shall apply to the piping in the appliance(s).

(b) Materials. All materials used for the installation extension, alteration, or repair, of any oil piping system shall be new and free from defects or internal obstructions. The system shall be made of materials having a melting point of not less than 1450° F., unless otherwise specified in this section. They shall consist of one or more of the materials described in (b)(1) through (b)(4).

(1) Steel or wrought-iron pipe shall comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). Threaded copper or brass pipe in iron pipe sizes may be used.

(2) Fittings for oil piping shall be wrought iron, malleable iron, steel, or brass (containing not more than seventy-five percent (75%) copper).

(3) Copper tubing shall be annealed type, Grade K or L conforming to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]).

(4) Steel tubing shall have a minimum wall thickness of 0.032 inch diameters up to one-half inch (1/2") and 0.049 inch for diameters one-half inch (1/2") and larger. Steel tubing shall be constructed in accordance with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]).

(c) Size of Oil Piping. The minimum size of all fuel oil tank piping connecting outside tanks to the appliance shall be no smaller than three-eighths inch (3/8") OD copper tubing or one-fourth inch (1/4") IPS. If No. 1 fuel oil is used with a listed automatic pump (fuel lifter), copper tubing shall be sized as specified by the pump manufacturer.

(d) Joints for Oil Piping. All pipe joints in the piping system, unless welded or brazed, shall be threaded joints which comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). The material used for brazing pipe connections shall have a melting temperature in excess of 1000° F.

(e) Joints for Tubing. Joints in tubing shall be made with either a single or double flare of the proper degree, as recommended by the tubing manufacturer, by means of listed tubing fittings, or brazed with materials having a melting point in excess of 1000° F.

(f) Pipe Joint Compound. Threaded joints shall be made up tight with listed pipe joint compound which shall be applied to the male threads only.

(g) Couplings. Pipe couplings and unions shall be used to join sections of threaded pipe. Right and left nipples or couplings shall not be used.

(h) Grade of Piping. Fuel oil piping installed in conjunction with gravity feed systems to oil heating equipment shall slope in a gradual rise upward from a central location to both the oil tank and the appliance in order to eliminate air locks.

(i) Strap Hangers. All oil piping shall be equivalently protected metal straps or hangers at intervals of not more than four feet (4'), except where adequate support and protection is provided by structural members. Solid-iron-pipe oil supply connection(s) shall be rigidly anchored to a structural member within six inches (6") of the supply connection(s).

(j) Testing for Leakage. Before setting the system in operation, tank installation and piping shall be checked for oil leaks with fuel oil of the same grade that will be burned in the appliance. No other material shall be used for testing fuel oil tanks and piping. Tanks shall be filled to maximum capacity for the final check for oil leakage. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-77; filed Mar 25, 1986, 1:44 pm: 9 IR 2008, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

#### **675 IAC 15-2-78 General appliance standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 78. (a) Heat-producing appliances and vents, roof jacks and chimneys necessary for their installation in mobile structures shall be listed or certified by a nationally recognized testing agency for use in manufactured homes. Air conditioning units, combination air conditioning and heating units shall be listed or certified by a nationally recognized testing agency for the application for which the unit is intended.

(b) Fuel-burning heat-producing appliances and refrigeration appliances, except ranges and ovens, shall be of the vented type and vented to the outside.

(c) Fuel-burning appliances shall not be converted from one fuel to another fuel unless converted in accordance with the terms of their listing and the appliance manufacturer's instructions.

(d) Gas-fired absorption comfort-cooling units shall meet all the requirements of American National Standard for Gas-Fired Absorption Summer Air Conditions [*sic.*] Appliances.

(e) Mechanical comfort-cooling units shall meet all the requirements of the Standard for Unitary Air Conditioning Equipment.

(f) Direct refrigeration systems serving any air conditioning or comfort-cooling system installed in a mobile structure shall conform to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-78; filed Mar 25, 1986, 1:44 pm: 9 IR 2009, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

#### **675 IAC 15-2-79 Gas clothes dryers**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 79. (a) Gas clothes dryers shall be exhausted to the outside by a moisture-lint exhaust duct and termination fitting listed or certified as components of the dryer.

(b) A clothes dryer moisture-lint exhaust duct shall not be connected to any other duct, vent or chimney.

(c) The exhaust duct shall not terminate beneath the mobile structure.

(d) Moisture-lint exhaust ducts shall not be connected with sheet metal screws or other fastening devices which extend into the interior of the duct.

(e) Gas Clothes Dryer Stub in Requirements. A mobile structure may be provided with "stubbed in" equipment at the factory

to supply a gas clothes dryer for future installation by the owner provided it complies with the following provisions:

- (1) The "stubbed in" gas outlet shall be provided with a shutoff valve, the outlet of which is closed by threaded pipe plug or cap.
- (2) The "stubbed in" gas outlet shall be permanently labeled to identify it for use only as the supply connection for a gas clothes dryer.
- (3) A moisture-lint exhaust duct system shall be roughed in by the manufacturer at the time of original installation. The moisture-lint exhaust system shall comply with the provisions of (a) through (d).

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-79; filed Mar 25, 1986, 1:44 pm; 9 IR 2009, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

### **675 IAC 15-2-80 Installation of appliances**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 80. (a) The installation of each appliance shall conform to the terms of its listing and the manufacturer's instructions. The installer shall leave the manufacturer's instructions attached to the appliance. Every appliance shall be secured in place to avoid displacement.

(b) All fuel-burning appliances, except ranges, ovens, illumination appliances, clothes dryers, solid fuel-burning fireplaces and solid fuel-burning fireplace stoves, shall be installed to provide for the complete separation of the combustion system from the interior atmosphere of the mobile structure. Combustion air inlets and flue gas outlets shall be listed or certified as components of the appliance. The required separation may be obtained by:

- (1) the installation of direct vent system (sealed combustion system) appliances, or
- (2) the installation of appliances within enclosures so as to separate the appliance combustion system and venting system from the interior atmosphere of the mobile structure. There shall not be any door, removable access panel, or other opening into the enclosure from the inside of the mobile structure. Any opening for ducts, piping, wiring, etc., shall be sealed.

(c) A forced air appliance and its return-air system shall be designed and installed so that negative pressure created by the air-circulating fan cannot affect its or another appliance's combustion air supply or act to mix products of combustion with circulating air.

- (1) The air circulating fan of a furnace installed in an enclosure with another fuel-burning appliance shall be operable only when any door or panel covering an opening in the furnace fan compartment or in a return air plenum or duct is in the closed position.

NOTE: This does not apply if both appliances are direct vent system (sealed combustion system) appliances.

- (2) If a warm air appliance is installed within an enclosure to conform to (b)(2), each warm-air outlet and each return air inlet shall extend to the exterior of the enclosure. Ducts, if used for that purpose, shall not have any opening within the enclosure and shall terminate at a location exterior to the enclosure.

(3) Cooling coils installed as a portion of, or in connection with, any forced-air furnace shall be installed on the downstream side unless the furnace specifically otherwise listed.

(4) A cooling coil shall not be located in the air discharge duct or plenum of any forced-air furnace unless such furnace is listed for use with a cooling coil or listed for operation at not less than 0.5 inch water column external static pressure.

(5) If a cooling coil is installed within a forced-air furnace, the coil shall be listed for use with that furnace in the manner so installed or be approved for such use.

(d) Vertical Clearance Above Gas Cooking Top. Gas ranges shall have a vertical clearance above the cooking top of not less than thirty inches (30") to combustible material or metal cabinets except the clearance may be reduced to not less than twenty-four inches (24") as follows:

(1) the underside of the combustible material or metal cabinet above the cooking top is protected with asbestos millboard at least one-fourth inch (1/4") thick covered with sheet metal not lighter than No. 28 manufacturer's standard gauge, or,

(2) a metal ventilating hood of not lighter than No. 28 manufacturer's standard gauge sheet metal is installed above the cooking top with a clearance of not less than one-fourth inch (1/4") between the cabinet and the hood is at least as wide as the range is and is centered over the range.

(e) Solid fuel-burning factory-built fireplaces and fireplace stoves listed for use in manufactured homes may be installed in

mobile structures provided they and their installation conform to (e)(1). A fireplace or fireplace stove shall be considered as a heating facility for determining compliance with 675 IAC 15-2-20.

(1) A solid fuel-burning fireplace or fireplace stove shall be equipped with integral door(s) or shutter(s) designed to close the fireplace or fireplace stove fire chamber opening and shall include complete means for venting through the roof, a combustion air inlet, a hearth extension, and means to securely attach the fireplace or the fireplace stove to the mobile structure. The installation shall conform to the following:

(A) A listed factory-built chimney designed to be attached directly to the fireplace or fireplace stove shall be used. The listed factory-built chimney shall be equipped with and contain as part of its listing a termination device(s) and a spark arrester(s).

(B) A fireplace or fireplace stove, air intake assembly, hearth extension and the chimney shall be installed in accordance with the terms of their listings and their manufacturer's instructions.

(C) The combustion air inlet shall conduct the air directly into the fire chamber and shall be designed to prevent material from the hearth dropping onto the area beneath the mobile structure.

(D) The fireplace or fireplace stove shall not be installed in a sleeping room.

(E) Hearth extension shall be of noncombustible material not less than three-eighths inch (3/8") thick. The hearth shall extend at least sixteen inches (16") in front of and at least eight inches (8") beyond each side of the fireplace or fireplace stove opening. Furthermore the hearth shall extend over the entire surface beneath a fireplace stove and beneath an elevated or overhanging fireplace.

(F) The label on each solid fuel-burning fireplace and solid fuel-burning fireplace stove shall include the following wording: For use with solid fuel only.

(G) The chimney shall extend at least three feet (3') above the part of the roof through which it passes and at least two feet (2') above the highest elevation of any part of the mobile structure within ten feet (10') of the chimney. Portions of the chimney and termination that exceed an elevation of thirteen feet and six inches (13' 6") above ground level may be designed to be removed for transporting the mobile structure.

(2) The venting shall be accomplished by one or more of the following methods:

(A) An integral vent system listed or certified as part of the appliance.

(B) A venting system consisting entirely of listed components, including roof jack, installed in accordance with the terms of the appliance listing and the appliance manufacturer's instructions.

(3) Venting and combustion air systems shall be installed in accordance with the following:

(A) Components shall be securely assembled and properly aligned using the methods shown in the appliance manufacturer's instructions.

(B) Draft hood connectors shall be firmly attached to draft hood outlets or flue collars by sheet metal screws or by equivalent effective mechanical fasteners.

(C) Every joint of a vent, vent connector, exhaust duct and combustion air intake shall be secure and in alignment.

(4) Venting systems shall not terminate underneath a mobile structure.

(5) Venting system terminations shall be not less than three feet (3') from any motor-driven air intake discharging into habitable areas.

(6) The area in which cooking appliances are located shall be ventilated by a metal duct which may be single wall, not less than twelve and one-half (12 1/2) square inches in cross-sectional area (minimum dimension shall be two inches (2")) located above the appliance(s) and terminating outside the mobile structure, or by listed mechanical ventilating equipment discharging outside the structure, that is installed in accordance with the terms of listing and the manufacturer's instructions. Gravity or mechanical ventilation shall be installed within a horizontal distance of not more than ten feet (10') from the vertical front of the appliance(s).

(7) Mechanical ventilation which exhausts directly to the outside atmosphere from the interior space of a structure shall be equipped with an automatic or manual damper. Operating controls shall be provided such that mechanical ventilation can be separately operated without directly energizing other energy consuming devices.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-80; filed Mar 25, 1986, 1:44 pm: 9 IR 2010, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-81 Venting and combustion air systems**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 81. (a) The venting as required by 675 IAC 15-2-78(b) shall be accomplished by one or more of the methods given in (a)(1) and (a)(2) below:

(1) An integral vent system listed or certified as part of the appliance.

(2) A venting system consisting entirely of listed components, including roof jack, installed in accordance with the terms of the appliance listing and the appliance manufacturer's instructions (see 675 IAC 15-2-80(b)).

(b) Venting and combustion air systems shall be installed in accordance with the following:

(1) Components shall be securely assembled and properly aligned using the method shown in the appliance manufacturer's instructions.

(2) Draft hood connectors shall be firmly attached to draft hood outlets of flue collars by sheet metal screws or by an equivalent means.

(3) Every joint of a vent, vent connector, exhaust duct and combustion air intake shall be secure and in alignment.

(c) Venting systems shall not terminate underneath a mobile structure.

(d) Venting system terminations shall be not less than three feet (3') from any motor-driven air intake discharging into habitable areas.

(e) The area in which cooking appliances are located shall be ventilated by a metal duct which may be single wall, not less than 12.5 square inches in cross-sectional area (minimum dimension shall be two inches (2") located above the appliance(s) and terminating outside the mobile structure, or by listed mechanical ventilating equipment that is installed in accordance with the terms of listing and the manufacturer's instructions. Gravity or mechanical ventilation shall be installed within a horizontal distance of not more than ten feet (10') from the vertical front of the appliance(s). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-81; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-82 Operating instructions**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 82. Operating instructions shall be provided with appliances. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-82; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-83 Appliance information**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 83. Information on clearances, input rating, lighting and shutdown shall be attached to the appliances with the same permanence as the nameplate, and so located that it is easily readable when the appliance is properly installed. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-83; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-84 Access to appliances**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 84. Every appliance shall be accessible for inspection, service, repair, and replacement without removing permanent construction. Sufficient room shall be available to enable the operator to observe the burner, control, and ignition means while starting the appliance. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-84; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-85 Location of appliances**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 85. Heat-producing appliances shall be so located that no doors, drapes, or other such material can be placed or swung closer to the front of the appliance than the clearances specified on the labeled appliances. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-85; filed Mar 25, 1986, 1:44 pm; 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-86 Clearances**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 86. Clearances between heat-producing appliances and adjacent surfaces shall not be less than specified in the terms of their listing. Clearance spaces shall be framed in or guarded to prevent creation of storage space within the clearance specified. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-86; filed Mar 25, 1986, 1:44 pm; 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-87 Circulating air system**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 87. (a) Supply systems shall be as follows:

(1) Supply ducts and any dampers contained therein shall be made from galvanized steel, tinplated steel, or aluminum, or shall be listed Class 0, Class 1, Class 2 air ducts. Class 2 air ducts shall be located at least three feet (3') from the furnace bonnet or plenum. A duct system integral with the structure shall be of durable construction that can be demonstrated to be equally resistant to fire and deterioration. Ducts constructed from sheet metal shall be in accordance with the following Table No. 4B.

TABLE NO. 4B  
 Minimum Metal Thickness for Ducts\*

Duct Type	Diameter or Width	
	14 inches or less	over 14 inches
Round	0.013 in.	0.016 in.
Enclosed Rectangular	0.013 in.	0.016 in.
Exposed Rectangular	0.016 in.	0.019 in.

\*When "nominal" thickness is specified, 0.003 inch shall be added to these "minimum" metal thicknesses.

(2) Sizing of Ducts. Ducts shall be designed so that when a labeled forced-air furnace is installed and operated continually at its normal input rating in the mobile structure, with all registers in full open position, the static pressure measured in the duct plenum shall not exceed that shown in Table No. 4B or exceed that shown on the label of the appliance. When an air-cooler coil is installed between the furnace and the duct plenum, the total static pressure between the furnace and the coil shall not exceed that shown on the label of the furnace. The minimum dimension of any branch duct shall be at least one and one-half inches (1 1/2"), and of any main duct, two and one-half inches (2 1/2").

(3) Airtightness of Supply Duct Systems. A supply duct system shall be considered substantially airtight when the static pressure in the duct system, with all registers sealed and with the furnace air circulator at high speed, is at least eighty percent (80%) of the static pressure measured in the furnace casing, with its outlets sealed and the furnace air circulator operating at high speed. For the purpose of this subdivision and (b), pressures shall be measured with a water manometer or equivalent device calibrated to read in increments not greater than one-tenth inch (1/10") water column.

TABLE NO. 5B  
Maximum Allowable Static Pressures in Supply Duct Systems

Input to Forced-Air Furnace, Btu/hr	External Static Pressure Inches Water Column Measured at the Furnace Outlet	
	Temperature of Outlet Air Determined by Function of Limit Control	
	Above 165° F	165° F or Less
55,000 and under	0.10	0.20
Over 55,000 to 80,000	0.10	0.24
Over 80,000 to 100,000	0.15	0.30

(4) Expandable or Multiple Mobile Structure Connections. An expandable or multiple structure may have ducts of the heating system installed in the various units. The points of connection must be so designed and constructed that when the mobile structure is fully expandable or coupled, the resulting duct joint will conform to the requirements of this section.

(5) Air supply ducts that are not located within the heated side of the mobile structure insulation having an R factor of at least four (4) shall be insulated.

(6) Supply ducts within the mobile structure but not within insulation described in (a)(5) shall be insulated with rigid insulation having a thermal insulation (R) not less than 2.5 or flexible insulation having a thermal insulation (R) not less than three (3) with a continuous vapor barrier having a perm rating of not more than 1.0.

(7) Supply ducts exposed directly to outside air, such as under chassis crossover ducts, shall be insulated with material having a thermal insulation (R) of not less than 4.0 with continuous vapor barrier having a perm rating of not more than 1.0.

(8) Aluminum foil used as a vapor barrier shall be at least two (2) mils in thickness.

(b) Return air systems shall be as follows:

(1) Return Air Openings. Provisions shall be made to permit the return of circulating air from all rooms and living spaces, except toilet room(s) and kitchen, to the circulating air supply inlet of the furnace.

(2) Duct Material. Return ducts and any diverting dampers contained therein shall be in accordance with the following:

(A) Portions of return ducts directly above the heating surfaces, or closer than two (2) feet from the outer jacket or casing of the furnace shall be constructed of metal in accordance with Table No. 4B of this section or shall be listed Class 0 or Class 1 air ducts.

(B) Return ducts, except as required by (a) above, shall be constructed of one inch (1") (nominal) wood boards (flame spread classification of not more than 200), other suitable material no more flammable than one inch (1") board or in accordance with (a).

(C) The interior of combustible ducts shall be lined with noncombustible material at points where there might be danger from incandescent particles dropped through the register or furnace such as directly under floor registers and the bottom of vertical ducts or directly under furnaces having a bottom return.

(3) Sizing. The cross-sectional areas of the return air duct shall not be less than two (2) square inches for each one thousand (1,000) Btu/hour input rating of the appliance. Dampers shall not be placed in any return air duct, except that a diverting damper may be placed in a combination fresh air intake and return air duct so arranged that the required cross-sectional area will not be reduced at all possible positions of the damper.

(4) Permanent Unclosable Opening. Areas not served by return air ducts or closed off from the return opening of the furnace by doors, sliding partitions or other means shall be provided with permanent unclosable openings in the doors or separating partitions to allow circulated air to return to the furnace. Such openings may be grilled or louvered. The net free area of each opening shall be not less than one (1) square inch for every five (5) square feet of total living area closed off from the furnace by the door or partition serviced by that opening. Undercutting doors connecting the closed-off space may be used as a means of providing return air area. However, in the event that doors are undercut, they shall be undercut a minimum of two inches (2") and not more than two and one-half inches (2 1/2"), and no more than one-half [sic.] (1/2") of the free air area so provided shall be counted as return air area.

(c) Joints and Seams. Joints and seams of ducts shall be securely fastened and made substantially airtight. Slip joints shall have a lap of at least one inch (1") and shall be individually fastened. Tape or caulking compound may be used for sealing mechanically secure joints. Where used, tape or caulking compound shall not be subject to deterioration under long exposures to

temperatures up to 200° F. and to conditions of high humidity, excessive moisture, or mildew.

(d) Supports. Ducts shall be securely supported.

(e) Registers or Grills. Fittings connecting the registers or grills to the ducts system shall be constructed of metal or material which complies with the requirements of Class 1 or 2 ducts as stated in the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). Registers or grills shall be constructed of metal or conform with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]).

Floor registers or grills shall resist without structural failure a two hundred (200) pound concentrated load on a two inch (2") diameter disc applied to the most critical area of the exposed face of the register or grill. For this test the register or grill is to be at a temperature of not less than 165° F. and is to be supported in accordance with the manufacturer's instructions. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-87; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

### **675 IAC 15-2-88 Scope of electrical standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 88. (a) The provisions of 675 IAC 15-2-88–675 IAC 15-2-104 and Part A of Article 550 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].]) cover the electrical conductors of mobile structures.

(b) A mobile structure not intended as a dwelling unit, as for example, equipped for sleeping purposes only, contractor's on-site offices, construction job dormitories, mobile studio dressing rooms, banks, clinics, mobile stores or intended for display or demonstration of merchandise or machinery, shall not be required to meet the provisions of this section pertaining to the number or capacity of circuits required. It shall, however, meet all other applicable requirements of this section if provided with an electrical installation intended to be energized from a 115-volt or 115/230-volt AC power supply system.

(c) The provisions of this section apply to mobile structures intended for connection to a wiring system nominally rated 115/230-volts, 3-wire AC, grounded neutral.

(d) In addition to the requirements of this section and Article 550 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].]), the applicable portions of other articles of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].]) shall be followed covering electrical installations in mobile structures.

EXCEPTION: Wherever the requirements of this section differ from articles other than Article 550 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].]), this section and Article 550 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].] shall apply.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-88; filed Mar 25, 1986, 1:44 pm: 9 IR 2014, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

### **675 IAC 15-2-89 Definitions for electrical standards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 89. "Accessible (as applied to equipment)" means admitting close approach because not guarded by locked doors, elevation, or other effective means (see "readily accessible").

“Accessible (as applied to wiring [*sic.*] methods)” means capable of being removed or exposed without damaging the mobile structure or its finish, or not permanently closed-in by the structure or the finish of the mobile structure (see “concealed” and “exposed”).

“Air conditioning or comfort cooling equipment” means all of that equipment intended or installed for the purpose of processing the treatment of air so as to control simultaneously its temperature, humidity, cleanliness, and distribution to meet the requirements of the conditioned space.

“Appliance, fixed” means an appliance which is fastened or otherwise secured at a specific location.

“Appliance, portable” means an appliance which is actually moved or can easily be moved from one place to another in normal use.

NOTE: For the purpose of this code use the following major appliances other than built-in are considered portable if cord-connected: refrigerators, gas range equipment, clothes washers, dishwashers without booster heaters, or other similar appliances.

“Appliance, stationary” means an appliance which is not easily moved from one place to another in normal use.

“Attachment plug (plug cap)” means a device which, by insertion in a receptacle, establishes connection between the conductors of the attached flexible cord and the conductors connected permanently to the receptacle.

“Bonding” means the permanent joining of metallic parts to form an electrically conductive path which will assure electrical continuity and the capacity to conduct safely any current likely to be imposed.

“Branch circuit” means the circuit conductors between the final over-current device protecting the circuit and the outlet(s).

NOTE: A device not approved for branch circuit protection, such as a thermal cut-out or motor overload protective device, is not considered as the overcurrent device protecting the circuit.

“Branch circuit–appliance” means a branch circuit supplying energy to one or more outlets to which appliances are to be connected; such circuits to have no permanently connected lighting fixtures not a part of an appliance.

“Branch circuit–general purpose” means a branch circuit that supplies a number of outlets for lighting and appliances.

“Cabinet” means an enclosure designed either for surface or flush mounting, and provided with a frame, mat, or trim in which swinging doors are hung.

“Circuit breaker” means a device designed to open and close a circuit by nonautomatic means, and to open the circuit automatically on a predetermined overload of current without injury to itself when properly applied within its rating.

“Concealed” means rendered inaccessible by the structure or finish of the mobile structure. Wires in concealed raceways are considered concealed, even though they may become accessible by withdrawing them. (See “accessible as applied to wiring methods”).

“Connector pressure (solderless)” means a device that establishes a connection between two or more conductors or between one or more conductors and a terminal by means of mechanical pressure and without the use of solder.

“Dead front (as applied to switches, circuit-breakers, switchboards, and distribution panelboard)” means so designed, constructed, and installed that no current-carrying parts are normally exposed.

“Demand factor” means the ratio of the maximum demand of a system, or part of a system, to the total connected load of a system, or the part of the system under consideration.

“Device” means a unit of an electrical system that is intended to carry but not utilize electrical energy.

“Disconnecting means” means a device, or group of devices, or other means by which the conductors of a circuit can be disconnected from their source of supply.

“Enclosed” means surrounded by a case that will prevent a person from accidentally contacting live parts.

“Equipment” means a general term, including material, fittings, devices, appliances, fixtures, apparatus, and the like used as a part of, or in connection with, an electrical installation.

“Exposed (as applied to live parts)” means capable of being inadvertently touched or approached nearer than a safe distance by a person. It is applied to parts not suitably guarded, isolated, or insulated (see “accessible” and “concealed”).

“Exposed (as applied to wiring method)” means on or attached to the surface or behind panels designed to allow access (see “accessible as applied to wiring methods”).

“Externally operable” means capable of being operated without exposing the operator to contact with live parts.

“Feeder assembly” means the overhead or underchassis feeder conductors, including the grounding conductor, together with the necessary fittings and equipment, or a power supply cord approved for mobile structure use, designed for the purpose of delivering energy from the source of electrical supply to the distribution panel board within the mobile structure.

“Fitting” means an accessory, such as a locknut, bushing, or other part of a wiring system, that is intended primarily to perform a mechanical rather than an electrical function.

“Ground” means a conducting connection, whether intentional or accidental, between an electrical circuit or equipment and earth, or to some conducting body that serves in place of the earth.

“Grounded” means connected to earth or to some conducting body that serves in place of the earth.

“Grounded conductor” means a system or circuit conductor that is intentionally grounded.

“Grounding conductor” means a conductor used to connect equipment or the grounded circuit of a wiring system to a grounding electrode or electrodes.

“Guarded” means covered, shielded, fenced, enclosed, or otherwise protected by means of suitable covers, casings, barriers, rails, screens, mats or platforms to remove the likelihood of approach or contact by persons or objects to a point of danger.

“Isolated” means not readily accessible to persons unless special means for access are used.

“Lighting outlet” means an outlet intended for the direct connection of a lampholder, a lighting fixture, or a pendant cord terminating in a lampholder.

“Outlet” means a point on the wiring system at which current is taken to supply utilization equipment.

“Panelboard” means a single panel or group of panel units designed for assembly in the form of a single panel; including buses, automatic overcurrent protective devices, and with or without switches for the control of light, heat, or power circuits; designed to be placed in a cabinet or cutout box placed in or against a wall or partition and accessible only from the front.

“Raceway” means an enclosed channel designed expressly for holding wires, cables, or busbars with additional functions as permitted in this code.

NOTE: Raceways may be of metal or insulating material, and the term includes rigid metal conduit, rigid nonmetallic conduit, intermediate metal conduit, liquidtight flexible metal conduit, flexible metallic tubing, flexible metal conduit, electrical nonmetallic tubing, electrical metallic tubing, underfloor raceways, cellular concrete floor raceways, cellular metal floor raceways, surface raceways, wireways, and busways.

“Raintight” means so constructed or protected that exposure to a beating rain will not result in the entrance of water under specified test conditions.

“Readily accessible” means capable of being reached quickly for operation, renewal, or inspections, without requiring those to whom ready access is requisite to climb over or remove obstacles or to resort to portable ladders, chairs, etc. (see “accessible”).

“Receptacle” means a contact device installed at the outlet for the connection of a single attachment plug.

NOTE: A single receptacle is a single contact device with no other contact device on the same yoke. A multiple receptacle is a single device containing two or more receptacles.

“Receptacle outlet” means an outlet where one or more receptacles are installed.

“Utilization equipment” means equipment which utilizes electric energy for mechanical, chemical, heating, lighting, or similar purposes.

“Voltage (of a circuit)” means the greatest root-mean-square (effective) difference of potential between any two (2) conductors of the circuit concerned.

NOTE: Some systems, such as three-phase four-wire, and three-wire direct-current may have various circuits of various voltages.

“Weatherproof” means so constructed or protected that exposure to the weather will not interfere with successful operation.

NOTE: Rainproof, raintight, or watertight equipment can fulfill the requirements for weatherproof where varying weather conditions other than wetness, such as snow, ice, dust, or temperature extremes, are not a factor.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-89; filed Mar 25, 1986, 1:44 pm; 9 IR 2015, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

### **675 IAC 15-2-90 Power supply**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 90. (a) The mobile structure service equipment shall be located adjacent to the mobile structure and not mounted in or on the mobile structure. The power supply to the mobile structure shall be a feeder assembly consisting of not more than one (1) mobile home power-supply cord rated fifty (50) amperes, or a permanently installed circuit.

EXCEPTION: A mobile structure that is factory-equipped with gas or oil-fired central heating equipment and cooking appliances shall be permitted to be provided with a mobile or manufactured home power-supply cord rated forty (40) amperes.

(b) If the mobile structure has a power-supply cord, it shall be permanently attached to the distribution panelboard or to a junction box permanently connected to the distribution panelboard, with the free end terminating in an attachment plug cap.

(c) Cord with adapters and pigtail ends, extension cord, and similar items shall not be attached to, or shipped with, a mobile structure.

(d) A suitable clamp or the equivalent shall be provided at the distribution panelboard knockout to afford strain relief for the cord to prevent strain from being transmitted to the terminals when the power-supply cord is handled in its intended manner.

(e) The cord shall be of an approved type with four (4) conductors, one (1) of which shall be identified by a continuous green color or a continuous green color with one (1) or more yellow stripes for use as the grounding conductor.

(f) The attachment plug cap shall be a 3-pole, 4-wire grounding type, rated fifty (50) amperes 125/250 volts with a configuration and intended for use with the fifty (50) ampere, 125/250 receptacle configuration. It shall be molded of butyl rubber, neoprene, or other approved materials which have been found suitable for the purpose and shall be molded to the flexible cord so that it adheres tightly to the cord at the point where the cord enters the attachment-plug cap. If a right angle cap is used, the configuration shall be so oriented that the grounding member is farthest from the cord.

NOTE: Complete details of the 50-ampere cap and receptacle can be found in the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.J.J]).

(g) The overall length of a power-supply cord, measured from the end of the cord including bared leads, to the face of the attachment-plug cap shall not be less than twenty-one feet (21') and shall not exceed thirty-six and one-half feet (36 1/2'). The length of cord from the face of the attachment-plug cap to the point where the cord enters the mobile structure shall not be less than twenty feet (20').

(h) The power-supply cord shall bear the following marking: "For use with mobile homes—40-amperes" or "For use with mobile or manufactured homes—50 amperes."

(i) The point of entrance of the feeder assembly to the mobile structure shall be in the exterior wall, floor, or roof.

(j) Where the calculated load exceeds fifty (50) amperes or where a permanent feeder is used, the supply shall be by means of:

(1) one (1) mast weatherhead installation in accordance with Article 230 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.J.J]), containing four (4) continuous insulated, color-coded feeder conductors, one (1) of which shall be an equipment grounding conductor; or

(2) a metal raceway from the disconnecting means in the mobile structure to the underside of the mobile structure with provisions for the attachment of a suitable junction box or fitting to the raceway on the underside of the mobile structure (with or without conductors as in (j)).

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-90; filed Mar 25, 1986, 1:44 p.m.: 9 IR 2017, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

### **675 IAC 15-2-91 Disconnecting means and branch-circuit protective equipment**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 91. (a) The branch-circuit equipment shall be permitted to be combined with the disconnecting means as a single assembly. Such a combination shall be permitted to be designed as a distribution panelboard. If a fused distribution panelboard is used, the maximum fuse size for the mains shall be plainly marked with lettering at least one-fourth inch (1/4") high and visible when fuses are changed.

NOTE: See Section 110-22 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.J.J]) concerning identification of each

disconnecting means and service, feeder, or branch circuit at the point where it originated and the type marking needed.

(b) When using plug fuses and fuseholders they shall be tamper-resistant, Type "S", enclosed in deadfront fuse panelboards. Electric distribution panelboard containing circuit breakers shall also be deadfront type.

(c) A single disconnecting means shall be provided in each mobile structure consisting of a circuit breaker, or a switch and fuses and its accessories installed in a readily accessible location near the point of entrance of the supply cord or conductors into the mobile structure. The main circuit breakers or fuses shall be plainly marked "main". This equipment shall contain a solderless type of grounding connector or bar for the purposes of grounding with sufficient terminals for all grounding conductors. The neutral bar termination of the grounded circuit conductors shall be insulated.

(d) The disconnecting equipment shall have a rating suitable for the connected load. The distribution equipment, either circuit breaker of fused type, shall be located a minimum of twenty-four inches (24") from the bottom of such equipment to the floor level of the mobile structure. There shall be a label attached to the panelboard stating:

"THIS PANELBOARD SHALL BE CONNECTED BY A FEEDER ASSEMBLY HAVING OVERCURRENT PROTECTION RATED AT NOT MORE THAN \_\_\_\_\_ AMPERES"

(e) A distribution panelboard main circuit breaker shall be rated fifty (50) amperes and employ a two (2) pole circuit breaker rated forty (40) amperes for a forty (40) ampere supply cord, or fifty (50) amperes for a fifty (50) ampere supply cord. A distribution panelboard employing a disconnect switch and fuses shall employ a single two (2) pole, sixty (60) ampere fuseholder with forty (40) or fifty (50) ampere supply cord, respectively. The outside of the distribution panelboard shall be plainly marked with the fuse size.

(f) The distribution panelboard shall be located in an accessible location. Shall not be located in a bathroom/restroom and shall be permitted to be located just inside a closet entry if the location is such that a clear space of six inches (6") to easily ignitable materials is maintained in front of the distribution panelboard, and the distribution panelboard door can be extended to its full open position (at least ninety (90) degrees). A clear working space at least thirty inches (30") wide and thirty inches (30") in front of the distribution panelboard shall be provided. This space shall extend from floor to the top of the distribution panelboard.

(g) Branch-circuit distribution equipment shall be installed in each mobile structure and shall include overcurrent protection for each branch circuit consisting of either circuit breakers or fuses.

(h) The branch circuit overcurrent devices shall be rated:

(1) not more than the circuit conductors; and

(2) not more than one hundred fifty percent (150%) of the rating of a single appliance rated thirteen and three-tenths (13.3) amperes or more which is supplied by an individual branch circuit; but

(3) not more than the fuse size marked on the air conditioner or other motor operated appliance.

(i) A fifteen (15) ampere multiple [*sic.*] receptacle shall be acceptable when connected to a twenty (20) ampere laundry circuit.

(j) When circuit breakers are provided for branch-circuit protection, two hundred thirty (230) volt circuits shall be protected by a two (2) pole common or companion trip, or handle-tied paired circuit breakers.

(k) A metal nameplate on the outside adjacent to the feeder assembly entrance shall read:

"This Connection for 120/240 Volt 3-Pole, 4-Wire, 60 Hertz \_\_\_\_\_ Ampere Supply"

(l) The number of branch circuits required shall be determined in accordance with the following:

(1) Lighting. Based on three (3) watts per square foot times outside dimensions of the mobile structure (hitch excluded) divided by one hundred fifteen (115) volts to determine number of fifteen (15) or twenty (20) ampere lighting area circuits, e.g.:

$$\frac{3 \times \text{Length} \times \text{Width}}{115 \times 15 \text{ (or 20)}} = \text{No. of fifteen (15) or twenty (20) ampere circuits}$$

(2) Small Appliances. For the small appliance load in kitchen, pantry, family room, dining room and breakfast rooms of mobile structures, two (2) or more twenty (20) ampere appliance branch circuits, in addition to the branch circuit specified in (l)(1), shall be provided for all receptacle outlets in these rooms, and such circuits shall have no other outlets. Receptacle outlets supplied by at least two (2) appliance receptacle branch circuits shall be installed in the kitchen.

(3) General Appliances (including furnace, water heater, range, and central or room air conditioner, etc.). There shall be one (1) or more circuits of adequate rating in accordance with the following:

(A) Ampere rating of fixed appliances not over fifty percent (50%) of circuit rating if lighting outlets (receptacles, other than kitchen, dining area, and laundry, considered as lighting outlets) are on the same circuit.

(B) For fixed appliances on a circuit without lighting outlets, the sum of rated amperes shall not exceed the branch-circuit rating motor loads or other continuous duty loads shall not exceed eighty percent (80%) of the branch circuit rating.

(C) The rating of a single cord-and-plug-connected appliance on a circuit having no other outlets shall not exceed eighty percent (80%) of the circuit rating.

(D) The rating of range branch circuits shall be based on the range demand as specified for ranges in 675 IAC 15-2-101.

NOTE: For central air conditioning, see Article 440 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]]).

(E) Laundry Branch Circuits—Dwelling Unit. In addition to the number of branch circuits determined in accordance with above, at least one (1) additional twenty (20) ampere branch circuit provided to supply the laundry receptacle outlet(s) required by Section 210-52(e) of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]]). This circuit shall have no other outlets.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-91; filed Mar 25, 1986, 1:44 pm: 9 IR 2017, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-92 Receptacle outlets**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 92. (a) All receptacle outlets shall be:

(1) of grounding type;

(2) installed according to Section 210-7 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]]);

(3) except when supplying specific appliances, be parallel-blade, fifteen (15) ampere, one hundred twenty-five (125) volt, either single or duplex.

(b) There shall be an individual outlet of the grounding type for each cord-connected fixed appliance installed.

(c) Ground Fault Circuit Interrupters. All one hundred twenty (120) volt, single-phase, fifteen (15) and twenty (20) ampere receptacle outlets installed outdoors and in bathrooms, including receptacles in light fixtures, shall have ground-fault circuit protection for personnel. Ground-fault circuit protection for personnel shall be provided for receptacle outlets located adjacent to any lavatory. Feeders supply branch circuits shall be permitted to be protected by a ground-fault circuit-interrupter in lieu of the provision for such interrupters specified herein.

No receptacle shall be required in the area occupied by a toilet, toilet and/or shower, or toilet and tub/shower enclosure area. If a receptacle is installed in such an area, it shall have ground-fault circuit protection for personnel.

EXCEPTION: Restrooms without bathtub facilities.

(d) Required Receptacle Outlets for Residential Structures. Receptacle outlets required in all rooms other than the bath, closet, and hall areas shall be installed so that no point along the floor line is more than six feet (6') measured horizontally from an outlet in that space. Countertops shall have receptacles located every six feet (6'). The continuous measurement of countertop and floor line shall be permitted when measured from the required receptacle in rooms requiring small appliance circuits. Receptacle outlets on small appliance circuits shall not be included in determining the spacing for receptacle outlets of other circuits.

EXCEPTION 1: Where the measured distance is interrupted by an interior doorway, sink, refrigerator, range, oven, or cooktop, an additional receptacle outlet shall be provided when the interrupted space is at least two feet (2') wide at the floor line and at least twelve inches (12") wide at the countertop.

EXCEPTION 2: Receptacles concealed by stationary appliances shall not be considered as the required outlets.

EXCEPTION 3: The distance along a floor line occupied by a door opened fully against that space need not be included in establishing the horizontal measurement if the door swing is limited to ninety (90) degrees nominal by the wall space.

EXCEPTION 4: Receptacle requirements for bar-type counters and for fixed room dividers no more than eight feet (8') in length shall be permitted to be provided by a receptacle outlet in the wall at the nearest point where the counter or room divider attaches to the wall.

NOTE: To qualify as a "fixed room divider" the divider cannot be more than eight feet (8') in length nor more than four feet (4') in height and may be attached to a wall at one end only.

(e) Outdoor Receptacle Outlets. At least one (1) receptacle outlet shall be installed outdoors. A receptacle outlet located in a compartment accessible from the outside of the mobile structure shall be considered an outdoor receptacle.

EXCEPTION: Commercial units are not required to have exterior receptacles, but when installed shall conform to this code.

(f) Receptacle Outlets not Permitted. Receptacle outlets shall not be installed in or within reach (thirty inches (30")) of a shower or bathtub space. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-92; filed Mar 25, 1986, 1:44 pm: 9 IR 2019, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

### **675 IAC 15-2-93 Fixtures; appliances**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 93. (a) Electrical materials, devices, appliances, fittings, and other equipment installed, intended for use in, or attached to the mobile structure shall be approved for the application and shall be connected in an approved manner when in service. Facilities shall be provided to securely fasten appliances when the mobile structure is in transit.

(b) Specifically approved pendant-type fixtures or pendant cords shall be permitted in mobile structures.

(c) If a lighting fixture is provided over a bathtub or in a shower stall, it shall be of the enclosed and gasketed type approved for wet locations.

(d) The switch for shower lighting fixtures and exhaust fans located over a tub or in a shower stall shall be located outside the tub or shower space.

(e) Any combustible wall or ceiling finish exposed between the edge of a fixture, canopy, or pan and an outlet box shall be covered with noncombustible material.

(f) Every appliance shall be accessible for inspection, service, repair, or replacement without removal of permanent construction. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-93; filed Mar 25, 1986, 1:44 pm: 9 IR 2020 eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

### **675 IAC 15-2-94 Wiring methods and materials**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 94. (a) Except as specially limited in this section, the wiring methods and materials specified in the Indiana Electrical Code (675 IAC 17-1 [*675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]*]) shall be used in mobile structures.

(b) Nonmetallic outlet boxes shall be acceptable only with nonmetallic cable.

(c) Nonmetallic cable located fifteen inches (15") or less above the floor, if exposed, shall be protected from physical damage by covering boards, guard strips, or conduit. Cable likely to be damaged by stowage shall be so protected in all cases.

(d) Metal-clad and nonmetallic cables shall be permitted to pass through the centers of the wide side of two inch (2") by four inch (4") studs. However, they shall be protected where they pass through two inch (2") by two inch (2") studs or frames where the cable or armor would be less than one and one-half inches (1 1/2") from the inside or outside surface. Steel plates on each side of the cable, or a tube, with not less than No. 16 MSG wall thickness shall be required to protect the cable. These plates or tubes shall be securely held in place.

(e) Where metallic faceplates are used they shall be effectively grounded.

(f) If a range, clothes dryer, or similar appliance is connected by metal-clad cable or flexible metal conduit, a length of free cable or conduit shall be adequately secured to the wall. A length of not less than three feet (3') of free cable or conduit shall be provided to permit moving the appliance. Type NM or Type SE cable shall not be used to connect a range or dryer. This shall not

prohibit the use of Type NM or Type SE cable between the branch-circuit overcurrent protective device and a junction box or range or dryer receptacle.

(g) Threaded rigid metal conduit and intermediate metal conduit shall be provided with locknut inside and outside the box, and conduit bushing shall be used on the inside. Rigid nonmetallic conduit shall be permitted. Inside ends of the conduit shall be reamed.

(h) Switches shall be rated as follows:

(1) For lighting circuits, switches shall have a ten (10) ampere, one hundred twenty/one hundred twenty-five (120/125) volt rating; or higher if needed for the connected load.

(2) For motors or other loads, switches shall have ampere or horsepower ratings, or both, adequate for loads controlled. (An "AC general use" snap switch shall be permitted to control a motor two (2) horsepower or less with full-load current not over eighty percent (80%) of the switch ampere rating.)

(i) At least four inches (4") of free conductor shall be left at each outlet box except where conductors are intended to loop without joints.

(j) Where outdoor or under-chassis line-voltage wiring is exposed to moisture or physical damage, it shall be protected by rigid metal conduit or intermediate metal conduit. The conductors shall be suitable for wet locations.

EXCEPTION: Electrical metallic tubing may be used when closely routed against frames and equipment enclosures.

(k) The cables or conductors shall be Type NMC, TW, or equivalent.

(l) Boxes, Fittings, and Cabinets. Boxes, fittings, and cabinets shall be securely fastened in place and shall be supported from a structural member of the structure either directly or by using a substantial brace.

EXCEPTION: Snap-in type boxes. Boxes provided with special wall or ceiling brackets and wiring devices with integral enclosures, which securely fasten to walls or ceilings and are identified for the use shall be permitted without support from a structural member or brace. The testing and approval shall include the wall and ceiling construction systems for which the boxes and devices are intended to be used.

(m) Outlet boxes shall fit closely to openings in combustible walls and ceilings, and they shall be flush with such surfaces.

(n) Appliances having branch-circuit terminal connections which operate at temperatures higher than 60° C. (140° F.) shall have circuit conductors as described in (n)(1) and (2), below:

(1) Branch-circuit conductors having an insulation suitable for the temperature encountered shall be permitted to run directly to the appliance.

(2) Conductors having an insulation suitable for the temperature encountered shall be run from the appliance terminal connection to a readily accessible outlet box placed at least one foot (1') from the appliance. These conductors shall be in a suitable raceway which shall extend for at least four feet (4').

(o) Component Interconnections. Fittings and connectors which are intended to be concealed at the time of assembly, when tested and approved to applicable standards, shall be permitted for the interconnections of building components. Such fittings and connectors shall be equal to the wiring method employed in insulation, temperature rise, fault-current withstanding, and shall be capable of enduring the vibration and shock occurring in a mobile structure transportation. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-94; filed Mar 25, 1986, 1:44 pm: 9 IR 2020, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

### **675 IAC 15-2-95 Grounding**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 95. General. Grounding of both electrical and nonelectrical metal parts in a mobile structure shall be through connection to a grounding bus in the mobile structure distribution panelboard. The grounding bus shall be grounded through the green-colored conductor in the supply cord or the feeder wiring to the service ground in the service-entrance equipment located adjacent to the mobile structure location. Neither the frame of the mobile structure nor the frame of any appliance shall be connected to the neutral conductor in the mobile structure. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-95; filed Mar 25, 1986, 1:44 pm: 9 IR 2021, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-96 Insulated neutral**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 96. (a) The grounded circuit conductor (neutral) shall be insulated from the grounding conductors and from equipment enclosures and other grounded parts. The grounded (neutral) circuit terminals in the distribution panelboard and in ranges, clothes dryers, counter-mounted cooking units, and wall-mounted ovens shall be insulated from the equipment enclosure. Bonding screws, straps, or buses in the distribution panelboard or in appliances shall be removed and discarded.

(b) Connection of ranges and clothes dryers with one hundred fifteen/two hundred thirty (115/230) volt, three (3) wire ratings shall be made with four (4) conductor cord and three (3) pole, four (4) wire grounding type plugs, or by Type AC metal-clad cable or conductors enclosed in flexible metal conduit. For one hundred fifteen (115) volt rated devices, a three (3) conductor cord and a two (2) pole, three (3) wire grounding type plug shall be permitted. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-96; filed Mar 25, 1986, 1:44 pm: 9 IR 2021, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-97 Equipment grounding**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 97. (a) The green-colored insulated grounding wire in the supply cord or permanent feeder wiring shall be connected to the grounding bus in the distribution panelboard or disconnecting means.

(b) In the electrical system, all exposed metal parts, enclosures, frames, lamp fixture canopies, etc., shall be effectively bonded to the grounding terminal or enclosure of the distribution panelboard.

(c) Cord-connected appliances, such as washing machines, clothes dryers, refrigerators, and the electrical system of gas ranges, etc., shall be grounded by means of an approved cord with grounding conductor and grounding-type attachment plug. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-97; filed Mar 25, 1986, 1:44 pm: 9 IR 2021, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-98 Bonding of noncurrent-carrying metal parts**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 98. (a) All exposed noncurrent-carrying metal parts that may become energized shall be effectively bonded to the grounding terminal or enclosure of the distribution panelboard. A bonding conductor shall be connected between each distribution and an accessible terminal on the chassis.

(b) Grounding terminals shall be of the solderless type and approved as pressure terminal connectors recognized for the wire size used. The bonding conductor shall be solid or stranded, insulated or bare, and shall be No. 8 copper minimum, or equal. The bonding conductor shall be routed so as not to be exposed to physical damage.

NOTE: Protection can be afforded by the configuration of the chassis.

(c) Metallic gas, water and waste pipes and metallic air-circulating ducts shall be considered bonded if they are connected to the terminal on the chassis ((a) of this section) by clamps, solderless connectors, or by suitable ground-type straps.

(d) Any metallic roof and exterior covering shall be considered bonded if (1) the metal panels overlap one another and are securely attached to the wood or metal frame parts by metallic fasteners, and (2) if the lower panel of the metallic exterior covering is secured by metallic fasteners at a cross member of the chassis by two (2) metal straps per mobile structure of section at opposite ends. The bonding strap material shall be a minimum of four inches (4") in width of material equivalent to the skin or a material of equal or better electrical conductivity. The straps shall be fastened with paint-penetrating fittings such as screws, and starwashers or equivalent. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-98; filed Mar 25, 1986, 1:44 pm: 9 IR 2022, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-99 Electrical tests**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 99. (a) Dielectric Strength Test. The wiring of each mobile structure shall be subjected to a one (1) minute, nine hundred (900) volt dielectric strength test (with all switches closed) between live parts (including neutral and the mobile structure ground). Alternatively, the test may be performed at one thousand eighty (1080) volts for one (1) second. This test shall be performed after branch circuits are complete and after fixtures or appliances are installed.

EXCEPTION: Fixtures or appliances which are listed shall not be required to withstand the dielectric strength test.

- (b) Continuity and Operational Tests and Polarity Checks. Each mobile structure shall be subjected to:
- (1) an electrical continuity test to assure that all exposed electrically conductive parts are properly bonded;
  - (2) an electrical operational test to demonstrate that all equipment, except water heaters and electric furnaces, is connected and in working order; and
  - (3) electrical polarity checks of permanently wired equipment and receptacle outlets to determine that connections have been properly made.

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-99; filed Mar 25, 1986, 1:44 pm; 9 IR 2022, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-100 Load calculations**

Authority: IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 100. (a) The following method shall be employed in computing the supply cord and distribution panelboard load for each feeder assembly for each mobile structure and shall be based on a three (3) wire, one hundred fifteen/two hundred thirty (115/230) volt supply with one hundred fifteen (115) volt loads balanced between the two (2) legs of the three (3) wire system.

- (1) Method No. 1; Lighting and Small Appliance Load. Lighting Watts: Length times width of mobile structure (outside dimensions, exclusive of coupler) times three (3) watts per square foot; e.g., Length × Width × 3 = \_\_\_\_\_ lighting watts.  
 Small Appliance Watts: Number of circuits times one thousand five hundred (1500) volt amperes for each twenty (20) ampere appliance receptacle circuit (see definition of “appliance, small” with note); e.g., Number of circuits × 1500 = \_\_\_\_\_ small appliance volt-amperes.

Total lighting watts plus small appliance = \_\_\_\_\_ total volt-amperes.

First three thousand (3000) total volt-amperes at one hundred percent (100) plus remainder at thirty-five percent (35%) = \_\_\_\_\_ volt-amperes to be divided by two hundred thirty (230) volts to obtain current (amperes) per leg.

Total load for determining power supply is the summation of:

- (A) Lighting and small appliance load is calculated in (a)(1).
  - (B) Nameplate amperes for motors and heater loads (exhaust fans\*, air conditioners\*, electric gas, or oil heating.+)
- \*Omit smaller of these two (2), except include blower motor if used as air-conditioner evaporator motor.  
 +When an air conditioner is not installed and a forty (40) ampere power supply cord is provided, allow fifteen (15) amperes per leg for air conditioning.
- (C) Twenty-five percent (25%) of current of largest motor in item (B) above.
  - (D) Total of nameplate amperes for: disposal, dishwasher, water heater, clothes dryer, wall-mounted oven, cooking units.

Where number of these appliances exceed three (3), use seventy-five percent (75%) of total.

(E) Derive amperes for free-standing range (as distinguished from separate ovens and cooking units) by dividing values below by two hundred thirty (230) volts.

Nameplate Rating	Use
10,000 w × or less	80% of rating
10,001 - 12,500 w	8,000 v-a
12,501 - 13,500 w	8,400 v-a

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13,501 - 14,500 w	8,800 v-a
14,501 - 15,500 w	9,200 v-a
15,501 - 16,500 w	9,600 v-a
16,501 - 17,500 w	10,000 v-a

(F) If outlets or circuits are provided for other than factory-installed appliances include the anticipated load.  
 NOTE: The following example is given to illustrate the application of this Method of Calculation:

EXAMPLE

A mobile structure is 70 × 10 feet and has two (2) portable appliance circuits, a 1000 watt 230 volt heater, a 200 watt 115 volt exhaust fan, a 400 watt 115 volt dishwasher and a 7000 watt electric range.

Lighting and small appliance load.	
Lighting 70 × 10 × 3 =	2100 v-a
Small appliance 1500 × 2 =	3000 v-a
Laundry 1500 × 1 =	<u>1500 v-a</u>
	6600 v-a
1st 3000 at 100% . . . . .	3000
Remainder (5100 - 3000 = 2000) @ 35% . . . . .	<u>1260</u>
	4260

$$\frac{4260}{230} = 185 \text{ amperes per leg}$$

1000 watt (heater) divided by 230 =	4.4 amp
200 watt (fan) divided by 115 =	1.7 amp
400 watt (dishwasher) divided by 115 =	3.5 amp
7000 watt (range) × .8 divided by 230 =	24.0 amp

	Amperes Per Leg	
	A	B
Lighting and appliances	18.5	18.5
Heater (230 volt)	4	4
Fan (115 volt)	2	-
Dishwasher (115 volt)	-	4
Range	<u>24</u>	<u>24</u>
Totals	48.5	50.5

Based on the higher current calculated for either leg, use one (1) fifty (50) ampere supply cord.

(2) Method No. 2; Optional Method of Calculation for Lighting and Appliance Loads. For mobile structures served by a single three (3) wire one hundred fifteen/two hundred thirty (115/230) volt set of feeder conductors with an ampacity of one hundred (100) or greater, the total load for determining the feeder ampacity may be computed in accordance with Table 100(a)(2) instead of the methods specified in (a)(1). Feeder conductors whose demand load is determined by this optional calculation shall be permitted to have the neutral load determined by section 220-22 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.J.J). The loads identified in Table 6B, below as “other load” and as “remainder of other load” shall include the following:

- (A) One thousand five hundred (1500) watts for each two (2) wire, twenty (20) ampere small appliance branch circuit and each laundry branch circuit specified.
- (B) Three (3) watts per square foot for general lighting and general-use receptacles.
- (C) The nameplate rating of all fixed appliances, ranges, wall-mounted ovens, counter-mounted cooking units, and including four (4) or more separately controlled space heating units.
- (D) The nameplate ampere of kVA rating of all motors and all low-power factor loads.
- (E) The largest of the following: (i) air-conditioning load; (ii) the sixty-five percent (65%) diversified demand of the central electric space heating load; (iii) the sixty-five percent (65%) diversified [sic.] demand of the load of less than four (4) separately-controlled electric space heating units; (iv) the connected load of four (4) or more separately

controlled electric space heating units.

TABLE 6B  
Optional Calculation for Mobile Structures with 100-Amperes or Larger Service

Load (in kW or kVA)	Demand Factor (Percent)
Air-conditioning and cooling, including heat pump compressors . . . . .	100
Central electric space heating . . . . .	65
Less than four (4) separately controlled electric space heating units . . . . .	65
First ten (10) kW of all other load . . . . .	100
Remainder of other load . . . . .	40

*(Fire Prevention and Building Safety Commission; 675 IAC 15-2-100; filed Mar 25, 1986, 1:44 pm: 9 IR 2022, eff Jun 15, 1986; errata, 9 IR 2931; errata, 9 IR 3093; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-101 Interconnection of multiple section mobile residential structures**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 101. (a) Fixed-type Wiring. Approved and listed fixed-type wiring methods shall be used to join portions of a circuit which must be electrically joined which are located in adjacent sections of mobile structures after the structure is installed on its support foundation. The circuits junction shall be accessible for disassembly when the structure is prepared for relocation.

(b) Disconnecting Means. Multiple section mobile structures not having permanently installed feeders, and which are to be moved from one (1) location to another shall be permitted to have disconnecting means with branch-circuit protective equipment in each unit when so located that after assembly or joining together of units, they shall not be interconnected on either the live side or the load side, except that the grounding means shall be electrically interconnected. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-101; filed Mar 25, 1986, 1:44 pm: 9 IR 2024, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-102 Outdoor fixtures, outlets, and appliances**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 102. (a) Outdoor fixtures and equipment shall be approved for outdoor use. Outdoor receptacles or convenience outlets shall be of a gasketed-cover type, for use in wet locations.

(b) Outside Heating and/or Air-Conditioning Equipment. A mobile structure provided with a branch circuit designed to energize heating and/or air-conditioning equipment located outside and mobile structure, other than room air-conditioners, shall have branch-circuit conductors terminate in a listed outlet box, or disconnecting means, located on the outside [*sic.*] of the mobile structure. A label shall be permanently affixed adjacent to the outlet box and contain the following information:

“This connection is for heating and/or air-conditioning equipment. The branch-circuit is rated at not more than \_\_\_\_ amperes, at \_\_\_\_ volts, 60-Hertz, \_\_\_\_ conductor ampacity. A disconnecting means shall be located within sight of the equipment.

The correct voltage and ampere rating shall be given. The tag shall be not less than 0.020 inch, etched brass, stainless steel, anodized or alcaid aluminum or equivalent. The tag shall not be less than three inches (3") by one and three-fourths inches (1 3/4") minimum size. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-102; filed Mar 25, 1986, 1:44 pm: 9 IR 2024, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

**675 IAC 15-2-103 Painting of wiring**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 103. During painting or staining of the mobile structure, it shall be permitted to paint metal raceway (except where grounding continuity would be reduced) or the sheath of the nonmetallic cable. Some arrangement, however, shall be made so that

no point shall be applied to the individual wires, as the color coding may be obliterated by the painting. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-103; filed Mar 25, 1986, 1:44 pm: 9 IR 2024, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**675 IAC 15-2-104 Polarization**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 104. (a) The identified (white) conductor shall be employed for grounded circuit conductors only and shall be connected to the identified (white) terminal or lead on receptacle outlets and fixtures. It shall be the unswitched wire in switched circuits, except that a cable containing an identified conductor (white) shall be permitted for single-pole three (3) way or four (4) way switch loops where the connections are made so that the unidentified conductor is the return conductor from the switch to the outlet. Painting of the terminal end of the wire shall not be required.

(b) If the identified (white) conductor of a cable is used for other than grounded conductors or for other than switch loops as explained above (for a two hundred thirty (230) volt circuit, for example), the conductor shall be finished in a color other than white at each outlet where the conductors are visible and accessible.

(c) Green-colored wires or green with yellow stripes shall be used for grounding conductors only. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-104; filed Mar 25, 1986, 1:44 pm: 9 IR 2024, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

**ARTICLE 16. PLUMBING CODE**

**Rule 1. Indiana Plumbing Code (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Sep 22, 1988, 2:35 p.m.: 12 IR 341, eff Jan 2, 1989*)

**Rule 1.1. Indiana Plumbing Code, 1989 (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Nov 30, 1990, 4:07 p.m.: 14 IR 748, eff Jan 2, 1991*)

**Rule 1.2. Indiana Plumbing Code, 1991 Edition (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

**Rule 1.3. Indiana Plumbing Code, 1999 Edition**

**675 IAC 16-1.3-1 Title; availability**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. (a) This rule shall be known as the Indiana Plumbing Code, 1999 Edition, and shall be published, except for incorporated documents, by the fire and building services department, for general distribution and use under that title. Wherever the term "this code" is used within this rule, it shall mean the Indiana Plumbing Code, 1999 Edition.

(b) The Indiana Plumbing Code, 1999 Edition, is available for purchase from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W221, Indianapolis, Indiana 46204-2739. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-1; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3382*)

**675 IAC 16-1.3-2 Adoption by reference**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. That certain document, being titled as the Uniform Plumbing Code, 1997 Edition, published by the International Association of Plumbing and Mechanical Officials, 20001 Walnut Drive South, Walnut, California 91789-2825, be and the same

is hereby adopted by reference, as if fully set out in this rule, save and except those amendments made in this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-2; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3382*)

**675 IAC 16-1.3-3 Chapter 1; administration**

Authority: IC 22-13-2-2

Affected: IC 4-21.5; IC 22-12-7; IC 22-13-2-7; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 3. Delete Chapter 1 and substitute to read as follows:

101.0 Scope, intent

101.1 Scope. The provisions of this code shall apply to the construction, alteration, and addition to plumbing equipment and systems regulated by this code for Class 1 structures except townhouses. Compliance with this code for Class 2 structures or Class 1 townhouses is evidence of compliance with 675 IAC 14, the Indiana One and Two Family Dwelling Code.

Provisions in the appendices are not enforceable unless specifically adopted.

101.2 Intent. The purpose of this code is to provide minimum standards for safety and to safeguard property and public welfare by regulating and controlling the design, construction, installation, quality of material and location of plumbing equipment and systems.

102.0 Plans. Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12-6), and for Class 2 structures as required by local ordinance.

103.0 Existing construction. For existing construction, see the General Administrative Rules (675 IAC 12-4) and local ordinance.

104.0 Conflicts between codes. For conflicting requirements within the fire prevention and building safety commission's rules see the General Administrative Rules (675 IAC 12-4).

105.0 Additions and alterations. Additions or alterations to any plumbing system shall conform to that required for a new plumbing system without requiring the existing plumbing system to comply with all the requirements of this code. Additions or alterations shall not cause an existing system to become unsafe, insanitary, or overloaded.

Minor additions or alterations to existing plumbing systems shall be permitted in the same manner and arrangement as in the existing system, provided that such additions or alterations are not hazardous and are approved.

106.0 Department of plumbing inspections, permits, and inspections. The department of plumbing inspections and permitting is created and regulated by local ordinance.

107.0 Appeals. Appeals from orders issued by the fire prevention and building safety commission or the state building commissioner are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders issued by a local unit of government are governed by IC 22-13-2-7 and local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-3; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3383*)

**675 IAC 16-1.3-4 Section 203.0; "A"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. (a) Change the definition of Administrative Authority to read as follows: ADMINISTRATIVE AUTHORITY means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the fire prevention and building safety commission. For purposes of industrialized building systems (675 IAC 15), Administrative Authority means the state building commissioner.

(b) Change the definition of Approved to read as follows: APPROVED means, as to materials, equipment, products, and construction, acceptance by the administrative authority by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, products, and construction are safe for their intended purposes.

(c) Change the definition of Approved Testing Agency to read as follows: APPROVED TESTING AGENCY means an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-4; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3383*)

**675 IAC 16-1.3-5 Section 204.0; "B"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 5. (a) Change the definition of Building to read as follows: BUILDING means any structure occupied or intended to support or shelter any occupancy.

(b) Add a definition of Building Code to read as follows: BUILDING CODE means the Indiana Building Code for Class 1 structures except for townhouses, or the Indiana One and Two Family Dwelling Code for Class 2 structures and Class 1 townhouses in effect at the time of the construction, addition, or alteration of the plumbing system. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-5; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3383*)

**675 IAC 16-1.3-6 Section 205.0; "C"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 6. (a) Delete the definition of Certified Backflow Assembly Tester, and Continuous Vent.

(b) Add the definition of Circuit Vent to read as follows: Circuit Vent-A vent that connects to a horizontal drainage branch and vents two (2) traps to a maximum of eight (8) traps or trapped fixtures connected into a battery.

(c) Delete the definition of Code.

(d) Delete the definition of Combustible Construction and substitute as follows: Combustible Construction-See the Building Code.

(e) Delete the definition of Confined Space.

(f) Delete the definition of Continuous Vent. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-6; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

**675 IAC 16-1.3-7 Section 206.0; "D"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 7. (a) Delete the definition of Department Having Jurisdiction and substitute as follows: See administrative authority.

(b) Change the definition of Domestic Sewage to read as follows: DOMESTIC SEWAGE means the liquid and water-borne wastes derived from the ordinary living processes, free from industrial wastes. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-7; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

**675 IAC 16-1.3-8 Section 211.0; "I"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 8. Delete, in section 211.0, in the first sentence of the definition of Insanitary, "or is injurious to health". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-8; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

**675 IAC 16-1.3-9 Section 214.0; "L"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 9. (a) Change the definition of Labeled to read as follows: LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(b) Change the definition of Listed to read as follows: LISTED means equipment or materials included in a list published by

an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(c) Delete the definitions of Listing Agency and Lot.

(d) Add the definition of Local Vent Stack to read as follows: LOCAL VENT STACK. A vertical pipe to which connections are made from the fixture side of traps and through which vapor or foul air is removed from the fixture or device utilized on bed pan washers. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-9; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384)*

**675 IAC 16-1.3-10 Section 215.0; "M"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 10. (a) Delete the definition of Mobile Home Park Sewer.

(b) Add the definition of Mechanical Code to read as follows: MECHANICAL CODE means the Indiana Mechanical Code for Class 1 structures, except townhouses and the mechanical chapters of the Indiana One and Two Family Dwelling Code for Class 2 structures and Class 1 townhouses in effect at the time of the construction, addition, or alteration of the plumbing system. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-10; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384)*

**675 IAC 16-1.3-11 Section 216.0; "N"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 11. Delete the definition of Nuisance. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-11; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384)*

**675 IAC 16-1.3-12 Section 218.0; "P"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 12. (a) Change the definition of Plumbing to read as follows: PLUMBING means the practice, materials, and fixtures utilized in the construction, addition, or alteration of all piping, fixtures, plumbing appliances, plumbing appurtenances, and venting systems. Not included in this definition are installations of chilled water piping in connection with refrigeration, process, and comfort cooling; hot water piping in connection with building heating and piping for fire protection systems.

(b) Change the definition of Plumbing System to read as follows: PLUMBING SYSTEM includes the water supply and distribution pipes; plumbing fixtures and traps; water-using equipment; soil, waste, and vent pipes; sanitary sewers; storm sewers within or on the structure and building drains; in addition to their respective connections, devices, and appurtenances.

(c) Change the definition of Potable Water to read as follows: POTABLE WATER means water that at the point of use is acceptable for human consumption under drinking water quality standards adopted by the water pollution control board at 327 IAC 8.

(d) Delete the definition of Private Sewage Disposal System. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-12; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384)*

**675 IAC 16-1.3-13 Section 220.0; "R"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 13. (a) Change the last sentence of the definition of Roughing-In to read as follows: This includes drainage, water supply, vent piping, and the necessary fixture supports.

(b) Change the definition of Relief Vent to read as follows: RELIEF VENT. A vent whose primary function is to provide circulation of air between drainage systems and vent systems. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-13; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385)*

**675 IAC 16-1.3-14 Section 221.0; "S"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 14. (a) Delete the definitions of Seepage Pit, Septic Tank, and Single Family Dwelling.

(b) Delete the definition of Stack and substitute to read as follows: STACK. A general term for any vertical line of soil, waste, vent, or inside conductor piping that extends through at least one (1) story with or without offsets.

(c) Add the definition of Stack Venting to read as follows: STACK VENTING. A method of venting a fixture or fixtures through the soil or waste stack.

(d) Add the definition of Sterilizer Vent to read as follows: STERILIZER VENT. A separate pipe or stack, indirectly connected to the building drainage system at the lower terminal, that receives the vapors from nonpressure sterilizers, or the exhaust vapors from pressure sterilizers, and conducts the vapors directly to the open air. Also called vapor, steam, atmospheric, or exhaust vent.

(e) Add the definition of Sump Vent to read as follows: SUMP VENT. A vent from pneumatic sewage ejectors, or similar equipment, that terminates separately to the open air. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-14; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385*)

**675 IAC 16-1.3-15 Section 222.0; "T"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 15. Add the definition of Townhouse to read as follows: TOWNHOUSE is a single family dwelling constructed in a row of attached units separated by property lines and with open space on at least two (2) sides. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-15; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385*)

**675 IAC 16-1.3-16 Section 223.0; "U"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 16. Delete the definition of Unconfined Space. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-16; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385*)

**675 IAC 16-1.3-17 Section 225.0; "W"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 17. Delete the definition of Welder, Pipe. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-17; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385*)

**675 IAC 16-1.3-18 Section 301.1; approvals**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 18. Change section 301.1.1 to read as follows: Unless otherwise provided for in this code, all materials, fixtures, or devices used or entering into the construction of plumbing and drainage systems, or parts thereof, shall be submitted to the administrative authority for approval, and shall be free from defects. All pipes, pipe fittings, traps, fixtures, material, and devices used in a plumbing system shall be listed or labeled or shall be approved by the administrative authority when listing or labeling is not available. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-18; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385*)

**675 IAC 16-1.3-19 Section 301.1.2; marking**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 19. Change section 301.1.2 to read as follows: Each length of pipe and each pipe fitting, trap, fixture, material, and device used in a plumbing system shall have cast, stamped, or indelibly marked on it, the maker's mark or name, the weight and the quality of the product, when such marking is required by the approved standard that applies. All such marking shall be done by the manufacturer. Field marking shall not be acceptable. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-19; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385*)

**675 IAC 16-1.3-20 Section 301.1.3; standards**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 20. Change section 301.1.3 to read as follows: Standards listed or referred to in this chapter cover materials which will conform to the requirements of this code, when used in accordance with the limitations imposed in this or other chapters thereof and their listing. Where a standard covers materials of various grades, weights, quality, or configurations, there may be only a portion of the listed standard which is applicable. A list of generally accepted plumbing materials standards is included in TABLE 14-1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-20; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

**675 IAC 16-1.3-21 Sections 301.1.4, 301.2; existing buildings and alternate materials and methods**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 21. Delete the title and text of sections 301.1.4 and 301.2 and substitute as follows:

301.2 Alternate materials, methods, equipment, alternative engineered design, and existing buildings.

301.2.1 Alternate materials, methods, and equipment. Modifications, alternative materials, methods, and equipment are regulated by the General Administrative Rules, 675 IAC 12-6-11, for Class 1 structures, except townhouses, and the Indiana One and Two Family Dwelling Code (675 IAC 14) for Class 2 structures and townhouses.

301.2.2 Alternative engineered design. Alternative engineered design shall comply with sections 301.2.3 and 301.2.4.

301.2.3 Design criteria. An alternative engineered design shall provide an equivalent level of quality, strength, effectiveness, fire resistance, durability, and safety and be approved by the administrative authority. Material, equipment, or components shall be designed and installed in accordance with the manufacturer's installation instructions.

301.2.4 Technical data. Technical data shall be submitted to the administrative authority to substantiate the proposed alternative engineered design and to prove that the performance meets the intent of this code.

301.2.5 Materials. Materials, equipment, and devices shall not be reused unless such elements have been reconditioned, tested, and placed in good and proper working condition and approved.

301.2.6 Existing buildings and maintenance. For existing buildings and maintenance, see the General Administrative Rules (675 IAC 12-4). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-21; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

**675 IAC 16-1.3-22 Section 303.0; disposal of liquid waste**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 22. (a) Delete, in section 303.0, "an approved" and substitute "a".

(b) Delete, in section 303.0, "and maintained". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-22; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

**675 IAC 16-1.3-23 Section 305.0; sewers required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 23. Delete section 305.0 and substitute to read as follows: Every building in which plumbing fixtures are installed shall have a connection to a public or private sewer as required by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-23; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

**675 IAC 16-1.3-24 Section 306.0; damage to drainage system or public sewer**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 24. Delete section 306.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-24; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

**675 IAC 16-1.3-25 Sections 307.0 and 308.0; industrial wastes, location**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 25. Delete sections 307.0 and 308.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-25; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

**675 IAC 16-1.3-26 Section 310.1; workmanship**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 26. Delete section 310.1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-26; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

**675 IAC 16-1.3-27 Section 311.4; prohibited fittings and practices**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 27. Delete section 311.4. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-27; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

**675 IAC 16-1.3-28 Section 312.0; independent systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 28. Change section 312.0 to read as follows: The drainage system of each new building and of new work installed in any existing building shall be separate and independent from that of any other building. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-28; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

**675 IAC 16-1.3-29 Section 313.3; protection of piping, materials, and structures**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 29. Delete, in section 313.3, "permission be otherwise granted" and substitute "approved". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-29; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

**675 IAC 16-1.3-30 Section 313.6; protection of piping, materials, and structures**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 30. Change section 313.6 to read as follows: No water, soil, or waste pipe shall be installed or permitted outside of a building or in an exterior wall unless provision is made to protect such pipe from freezing. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-30; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387)*

**675 IAC 16-1.3-31 Section 313.10.5; sleeves**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 31. Change section 313.10.5 to read as follows: Any pipe or pipe sleeve that penetrates fire-resistive construction shall have the space around the pipe completely sealed in accordance with the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-31; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387)*

**675 IAC 16-1.3-32 Section 313.11; sleeves**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 32. Delete, in section 313.11, “or as required by the proper administrative authority”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-32; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387)*

**675 IAC 16-1.3-33 Section 313.12.2; ratproofing**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 33. Delete section 313.12.2. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-33; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387)*

**675 IAC 16-1.3-34 Section 313.12.3; ratproofing**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 34. Delete, in section 313.12.3, “by the installation of approved metal collars securely fastened to the adjoining structure”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-34; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387)*

**675 IAC 16-1.3-35 Section 314.3; hangers and supports**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 35. Delete, in the last sentence of section 314.3, “acceptable to” and substitute “approved by”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-35; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387)*

**675 IAC 16-1.3-36 Section 314.5; hangers and supports**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 36. Change section 314.5 to read as follows: All fixtures, appliances, and appurtenances shall be supported so as to maintain their function. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-36; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387)*

IR 3387)

**675 IAC 16-1.3-37 Section 314.7; hangers and supports**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 37. Delete the first sentence of section 314.7. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-37; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

**675 IAC 16-1.3-38 Section 315.1; trenching, excavation, and backfill**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 38. Delete, in section 315.1, “permission is otherwise granted” and substitute “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-38; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

**675 IAC 16-1.3-39 Section 315.3; open trenches**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 39. Delete section 315.3. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-39; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

**675 IAC 16-1.3-40 Section 315.4; trenching, excavation, and backfill**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 40. Delete the first, fifth, and sixth sentences of section 315.4. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-40; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388*)

**675 IAC 16-1.3-41 Table 3-2**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 41. Delete TABLE 3-2 and substitute as follows:

TABLE 3-2				
Materials	Types of Joints	Horizontal	Vertical	
Cast Iron Hub and Spigot	Lead and Oakum	5 feet (1,524 mm), except may be 10 feet (3,048 mm) where 10 foot (3,048 mm) lengths are installed <sup>1,2,3</sup>	10 feet (3,048 mm)	Base and each floor not to exceed 15 feet (4,572 mm)
	Compression Gasket	Every other joint, unless over 4 feet (1,219 mm), then support each joint <sup>1,2,3</sup>		Base and each floor not to exceed 15 feet (4,572 mm)
Cast Iron Hubless	Shielded Coupling	Every other joint, unless over 4 feet (1,249 mm), then support each joint <sup>1,2,3</sup>		Base and each floor not to exceed 15 feet (4,572 mm)
	Soldered, Brazed, or Welded	1½ inch (38 mm) and smaller, 6 feet (1,829 mm); 2 inch (51 mm) and larger, 10 feet (3,048 mm)		Each floor, not to exceed 10 feet (3,048 mm) <sup>5</sup>
Steel and Brass Pipe for Water or DWV	Threaded or Welded	¾ inch (19 mm) and smaller, 10 feet (3,048 mm); 1 inch (25.4 mm) and larger, 12 feet (3,658 mm)		Every other floor, not to exceed 25 feet (7,620 mm) <sup>5</sup>
Steel, Brass	Threaded or Welded	½ inch (12.7 mm), 6 feet (1,829 mm); ¾ inch (19.1 mm) and 1 inch (25.4 mm), 8 feet (2,438 mm); 1¼ inch (32 mm) and larger, 10 feet (3,048 mm)		½ inch (12.7 mm), 6 feet (1,829 mm); ¾ (19 mm) and 1 inch (25.4 mm), 8 feet (2,438 mm); 1¼ inch (32 mm) and larger, every floor level

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Schedule 40 PVC and ABS DWV	Solvent Cemented	All sizes, 4 feet (1,219 mm). Allow for expansion every 30 feet (9,144 mm) <sup>3,6</sup>	Base and each floor. Provide mid-story guides. Provide for expansion every 30 feet (9,144 mm) <sup>6,8</sup>
CPVC	Solvent Cemented	1 inch (25.4 mm) and smaller, 3 feet (914 mm); 1¼ inch (32 mm) and larger, 4 feet (1,219 mm)	Base and each floor. Provide mid-story guides <sup>6,7</sup>
Lead	Wiped or Burned	Continuous support	Not to exceed 4 feet [ <i>sic., feet</i> ] (1,219 mm)
Copper	Mechanical	As approved by the administrative authority	As approved by the administrative authority
Steel and Brass	Mechanical	As approved by the administrative authority	As approved by the administrative authority
PEX	Mechanical	1 inch (25.4 mm) and smaller, 3 feet (914 mm); 1¼ inch (32 mm) and larger, 4 feet (1,219 mm)	Base and each floor. Provide mid-story guides

*(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-41; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388)*

**675 IAC 16-1.3-42 Section 316.1.6; brazing and welding**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 42. Change section 316.1.6 to read as follows: Brazing and welding shall conform to the applicable standard(s) in TABLE 14-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-42; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388)*

**675 IAC 16-1.3-43 Section 316.2.2; unions**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 43. Delete, in section 316.2.2, “and in gas piping as permitted by section 1211.10”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-43; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388)*

**675 IAC 16-1.3-44 Section 316.3.2; flanged fixture connections**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 44. Delete section 316.3.2. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-44; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388)*

**675 IAC 16-1.3-45 Section 318.0; food handling establishments**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 45. (a) Change the first paragraph of section 318.0 up to the colon to read as follows: “Where building design requires that soil or drain pipes be located over areas that will be used for food and drink storage, preparation, or display, the areas shall be protected against leakage or condensation from such pipes reaching the food or drink areas. The installation shall be made with the least possible number of joints and shall be installed so as to connect to a vertical stack at the nearest wall or vertical building support with the provisions as follows:”.

(b) Delete the second sentence in section 318.4.

(c) Change the third sentence of section 318.4 to read as follows: Overhead cleanouts shall be extended through the floor construction above. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-45; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389)*

**675 IAC 16-1.3-46 Section 401.1; quality of fixtures**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 46. Change section 401.1 to read as follows: Plumbing fixtures shall be constructed of dense, durable, nonabsorbent materials and shall have smooth, impervious surfaces, free from unnecessary concealed fouling surfaces. Except as permitted elsewhere in this code, all fixtures shall conform in quality and design to approved standards. A list of generally accepted plumbing fixture standards is included in TABLE 14-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-46; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389)*

**675 IAC 16-1.3-47 Section 402.6; metered faucets**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 47. Change, in section 402.6, “twenty-five hundredths (0.25) gallons (one (1.0) liter)” to “five-tenths (0.5) gallons (two (2.0) liters)”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-47; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389)*

**675 IAC 16-1.3-48 Section 403.1; zinc alloy components**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 48. Change section 403.1 to read as follows: Zinc alloy components shall be used in accordance with their listing. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-48; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389)*

**675 IAC 16-1.3-49 Section 406.3; prohibited fixtures**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 49. Delete, in the last sentence of section 406.3, “, unless first approved by the Health Officer”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-49; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389)*

**675 IAC 16-1.3-50 Sections 408.6 and 408.7; setting and installation for the handicapped**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 50. Delete sections 408.6 and 408.7 and substitute to read as follows: See the Building Code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-50; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389)*

**675 IAC 16-1.3-51 Section 409.1; water closets**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 51. Change section 409.1 to read as follows: Water closet bowls for public use shall be of the elongated type. All water closets shall be equipped with seats as required in section 409.2. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-51; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389)*

**675 IAC 16-1.3-52 Section 411.4; water supply for flush tanks**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 52. Delete, in the last sentence of section 411.4, “suitable”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-52; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

**675 IAC 16-1.3-53 Section 412.2.1; location of floor drains**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 53. Delete the last sentence of section 412.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-53; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

**675 IAC 16-1.3-54 Section 412.4; floor slope**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 54. Delete, in section 412.4, “, or as otherwise required by the administrative authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-54; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

**675 IAC 16-1.3-55 Section 412.5; floor drains and shower stalls**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 55. Change section 412.5 to read as follows: Shower receptors are plumbing fixtures and shall conform to the general requirements therefor contained in section 401.0. Each such shower receptor shall be constructed of vitrified china or earthenware, ceramic tile, porcelain enameled metal, or other approved materials. No shower receptor shall be installed unless it conforms to acceptable standards as referenced in Chapter 3 and listed in TABLE 14-1 or approved by the administrative authority. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-55; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

**675 IAC 16-1.3-56 Section 412.6; floor drains and shower stalls**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 56. Change the exception to section 412.6 to read as follows: Exception: Showers which are designed to comply with the accessibility requirements stated in the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-56; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390*)

**675 IAC 16-1.3-57 Section 412.7; floor drains and shower stalls**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 57. (a) Delete the last sentence before the exception to the first paragraph of section 412.7.

(b) Change the exception to section 412.7 to read as follows: Showers which are designed to comply with the accessibility requirements stated in the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-57; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390*)

**675 IAC 16-1.3-58 Section 412.8; floor drains and shower stalls**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 58. (a) Delete, in the first sentence of section 412.8, “permitted” and substitute “approved”.

(b) Delete, in the last paragraph of section 412.8, “acceptable to the administrative authority”. (*Fire Prevention and Building*

*Safety Commission; 675 IAC 16-1.3-58; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

**675 IAC 16-1.3-59 Section 413.0; minimum number of required fixtures**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 59. Delete sections 413.0 through 413.7 and substitute to read as follows: See the building code for the minimum number of required fixtures. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-59; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

**675 IAC 16-1.3-60 Section 414.0; fixtures for the handicapped**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 60. Delete section 414.0 and substitute to read as follows: See the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-60; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

**675 IAC 16-1.3-61 Table 4-1; minimum plumbing facilities**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 61. Delete TABLE 4-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-61; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

**675 IAC 16-1.3-62 Chapter 5; water heaters**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 62. Delete the text of Chapter 5 and substitute to read as follows:

501.0 Definitions

DIELECTRIC INSULATOR means a device used as a nonconductor.

WATER HEATER means any heating appliance or equipment that heats potable water and supplies such water to the potable hot water distribution system. Potable water heaters have a nominal capacity of one hundred twenty (120) gallons (four hundred fifty-four (454) liters) or less, have a heat input of two hundred thousand (200,000) British thermal units per hour (fifty-eight and six-tenths (58.6) kilowatt) or less, and operate at a water pressure of one hundred sixty (160) pounds per square inch (one thousand one hundred three (1,103) kilo Pascals) or less at water temperatures not exceeding two hundred ten (210) degrees Fahrenheit (ninety-nine (99) degrees Celsius).

502.0 Protection Device

502.1 Gas storage-type water heaters and hot water boilers shall be provided with, in addition to the primary temperature controls, an over-temperature safety protection device. Devices shall be a combination temperature and pressure relief valve.

502.2 All storage-type water heaters and hot water boilers deriving heat from fuels or types of energy other than gas, shall be provided with, in addition to the primary temperature controls, an over-temperature safety protection device and a combination temperature and pressure relief valve.

503.0 Prohibited locations. Fuel-fired water heaters shall not be located in, or obtain combustion air from, any of the following rooms or spaces:

1. Sleeping rooms.
2. Bathrooms.
3. Toilet rooms.
4. Storage closets.
5. Surgical rooms.

Exceptions: 1. Direct-vent water heaters that obtain all combustion air directly from the outdoors.

2. Water heaters installed in an enclosure in which all combustion air is taken from the outdoors and the enclosure is equipped with a solid weather-stripped door and self-closing device.

504.0 Elevation of ignition source. Water heaters having an ignition source shall be elevated such that the source of ignition is not less than eighteen (18) inches (four hundred fifty-seven (457) millimeters) above the floor in hazardous locations and public garages, private garages, repair garages, automotive service stations, and parking garages. Such equipment shall not be installed in Group H occupancies or control areas, as defined by the building code, where open-use, handling or dispensing of combustibles, flammable or explosive materials occurs.

505.0 Protection

505.1 All water heaters installed in areas where they may be subject to mechanical damage shall be guarded against such damage by being installed behind barriers or by being elevated or located out of the normal path of a vehicle using any such garage as required by the mechanical code.

505.2 A water heater supported from the ground shall rest on level concrete or other approved base extending not less than three (3) inches (seventy-six (76) millimeters) above the adjoining ground level.

505.3 When a water heater is located in an attic or furred space where damage may result from a leaking water heater, a watertight pan of corrosion resistant materials shall be installed beneath the water heater with a minimum three-fourths (¾) inch (nineteen and one-tenth (19.1) millimeters) diameter drain to an approved location.

506.0 Other requirements. Water heaters shall be installed as required by the mechanical code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-62; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

**675 IAC 16-1.3-63 Section 601.1; running water required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 63. Change section 601.1 to read as follows: Each plumbing fixture shall be provided with a supply of potable running water piped thereto in an approved manner, so arranged as to flush and keep it in a clean and sanitary condition without danger of backflow or cross-connection. Water closets and urinals shall be flushed by means of an approved flush tank or flushometer valve. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-63; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3391)*

**675 IAC 16-1.3-64 Section 602.1; unlawful connections**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 64. Change section 602.1 to read as follows: No installation of potable water supply piping or part thereof shall be made in such a manner that it will be possible for water or substances that do not comply with the requirements for potable water to enter any portion of such piping from any tank, receptacle, equipment, or plumbing fixture by reason of back-siphoning, by suction, or any other cause, either during normal use and operation thereof or when any such tank, receptacle, equipment, or plumbing fixture is flooded or subject to pressure in excess of the operating pressure in the hot or cold water piping. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-64; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3391)*

**675 IAC 16-1.3-65 Section 602.4; unlawful connections**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 65. Delete section 602.4 and substitute to read as follows: No water supplied by any private water supply system shall be connected to any other source of supply. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-65; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3391)*

**675 IAC 16-1.3-66 Section 603.0; cross-connection control**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 66. Change section 603.0 to read as follows: Cross-connection control shall be provided in accordance with the provisions of this chapter and TABLE 6-2.

No person shall install any water operated equipment or mechanism, or use any water treating chemical, or substance, if it is found that such equipment, mechanism, chemical, or substance may cause the potable water system not to comply with the requirements to be considered potable water. Such equipment or mechanism may be permitted only when equipped with an approved backflow prevention device or assembly. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-66; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3391*)

**675 IAC 16-1.3-67 Table 6-2; backflow preventive devices, assemblies, and methods**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 67. Add to TABLE 6-2 an "X" in the two (2) Backpressure columns for Airgap. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-67; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-68 Section 603.1; approval of devices or assemblies**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 68. Delete section 603.1 and substitute to read as follows: Before any device or assembly is installed for the prevention of backflow, it shall have first been approved by the administrative authority. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-68; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-69 Section 603.3.1; general requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 69. Change section 603.3.1 to read as follows: All backflow prevention assemblies shall conform to the applicable standards listed in TABLE 14-1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-69; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-70 Section 603.3.2; general requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 70. Change section 603.3.2 to read as follows: The owner of the structure shall have the backflow prevention assembly tested at the time of installation. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-70; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-71 Section 603.3.3; general requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 71. Change section 603.3.3 to read as follows: Access and clearance shall be provided for the required testing. Access and clearance shall require a minimum of one (1) foot (three hundred five (305) millimeters) between the lowest portion of the assembly and grade, floor, or platform. Installations elevated more than five (5) feet (one thousand five hundred twenty-four (1,524)

millimeters) above the floor or grade shall be provided with a permanent platform complying with the structural requirements and fire resistive requirements of the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-71; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-72 Section 603.3.7; general requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 72. Change section 603.3.7 to read as follows: Backflow assemblies and devices shall be protected from freezing and approved by the administrative authority. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-72; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-73 Section 603.4.2; water closet and urinal tanks**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 73. Change, in the last sentence of section 603.4.2, “equivalent” to “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-73; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-74 Section 603.4.4.1; heat exchangers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 74. Change section 603.4.4.1 to read as follows: The potable water system shall be protected from the heat transfer medium used in heat exchangers when required by section 603.0. Double-wall heat exchangers shall separate the potable water from the heat transfer medium by providing a space between the two (2) walls which is vented to the atmosphere. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-74; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-75 Section 603.4.4.2; heat exchangers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 75. Change section 603.4.4.2 to read as follows: For alternate design, see the General Administrative Rules (675 IAC 12-6-11). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-75; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-76 Section 603.4.5; inlets to tanks, vats, sumps, and swimming pools**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 76. Change the third sentence of section 603.4.5 to read as follows: Where atmospheric vacuum breakers or airgaps are not installed, other approved backflow preventers may be installed in accordance with the requirements for that type of device or assembly as set forth in this chapter. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-76; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

**675 IAC 16-1.3-77 Sections 603.4.6.2 and 603.4.6.4; protection from lawn sprinklers and irrigation systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 77. Add item “2” to the end of sections 603.4.6.2 and 603.4.6.4 to read as follows: 2. Airgap. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-77; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

**675 IAC 16-1.3-78 Section 603.4.7; potable water outlets with hose attachments**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 78. Change the last sentence of section 603.4.7 to read as follows: A listed self-draining frost-proof hose bibb with an integral backflow preventer shall be used. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-78; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

**675 IAC 16-1.3-79 Section 603.4.9; water cooled compressors, degreasers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 79. Delete the Note to section 603.4.9. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-79; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

**675 IAC 16-1.3-80 Section 603.4.12; nonpotable water piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 80. Change section 603.4.12 to read as follows: No drinking or domestic water outlets shall be connected to the nonpotable water line. Whenever possible, all portions of the nonpotable water line shall be exposed and all exposed portions shall be identified as approved by the administrative authority. Each outlet on the nonpotable water line, which may be used for drinking or domestic purposes, shall be posted "CAUTION: NONPOTABLE WATER, DO NOT DRINK". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-80; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

**675 IAC 16-1.3-81 Section 603.4.13; potable water supply to carbonators**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 81. Add a sentence to the end of section 603.4.13 to read as follows: Copper shall not be used downstream from the backflow preventer or backflow device. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-81; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

**675 IAC 16-1.3-82 Section 603.4.14; water treatment units**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 82. Delete the first sentence of section 603.4.14. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-82; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

**675 IAC 16-1.3-83 Section 603.4.18.1; protection from fire systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 83. Delete items 3 and 4 in section 603.4.18.1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-83; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

**675 IAC 16-1.3-84 Sections 603.4.18.2 and 603.4.18.3; protection from fire systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 84. Delete items 1 and 2 in sections 603.4.18.2 and 603.4.18.3 and substitute as follows:

1. Double check valve assembly.
2. Double check detector assembly.

*(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-84; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)*

**675 IAC 16-1.3-85 Section 603.4.20; portable cleaning equipment, dental vacuum pumps**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 85. Change the title and text of section 603.4.20 to read as follows: Portable cleaning equipment, dental vacuum pumps, and chemical dispensers. Portable cleaning equipment, dental vacuum pumps, and chemical dispensers shall be protected from backflow by an airgap, an atmospheric vacuum breaker, a spill-proof vacuum breaker, or a reduced pressure principle backflow preventer, or pressure vacuum breaker. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-85; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)*

**675 IAC 16-1.3-86 Section 604.1; materials**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 86. (a) Change the first sentence of section 604.1 to read as follows: Water pipe and fittings shall be of brass, copper, cast iron, galvanized malleable iron, galvanized wrought iron, galvanized steel, PEX, PB, or other approved materials.

(b) Change the third sentence of section 604.1 by deleting “recognized standards” and substitute to read as follows: the appropriate standards referenced in TABLE 14-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-86; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)*

**675 IAC 16-1.3-87 Section 604.2; materials**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 87. Delete, in the exception to section 604.2, “or underground outside of structures”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-87; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394)*

**675 IAC 16-1.3-88 Section 606.1.2; mechanical joints**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 88. Change section 606.1.2 to read as follows: Mechanical joints for cast iron water pipes shall conform to the appropriate standards in TABLE 14-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-88; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394)*

**675 IAC 16-1.3-89 Section 606.1.3; mechanically formed tee fittings**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 89. Change, in the last paragraph of section 606.1.3, “brazzed” to “brazed”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-89; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394)*

**675 IAC 16-1.3-90 Section 608.2; excessive water pressure**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 90. Delete, in the first sentence of section 608.2, “an adequate” and substitute “a”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-90; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

**675 IAC 16-1.3-91 Section 608.3; excessive water pressure**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 91. (a) Delete, in the first paragraph of section 608.3, “adequately sized”.

(b) Delete, in the second paragraph in section 608.3, “adequately sized” and substitute to read as follows: and as required by TABLE 14-1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-91; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

**675 IAC 16-1.3-92 Section 609.1; installation**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 92. (a) Change the first sentence of section 609.1 to read as follows: All water piping shall be supported.

(b) Change the fifth sentence of section 609.1 to read as follows: All piping, equipment, appurtenances, and devices shall be installed in conformity with the provisions and intent of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-92; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

**675 IAC 16-1.3-93 Section 609.3.1; installation**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 93. Change the first sentence of section 609.3.1 to read as follows: Ferrous piping shall have a protective coating of an approved type and machine applied. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-93; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

**675 IAC 16-1.3-94 Sections 609.6, 609.7, 609.7.1, and 609.7.2; location**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 94. Delete sections 609.6, 609.7, 609.7.1, and 609.7.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-94; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

**675 IAC 16-1.3-95 Section 609.8; low pressure cutoff required on booster pumps for water distribution systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 95. Change the second sentence of section 609.8 to read as follows: The cutoff switch shall be set for not less than twenty (20) pounds per square inch. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-95; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

**675 IAC 16-1.3-96 Section 609.9; disinfection of potable water system**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 96. Delete sections 609.9 through 609.9.4. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-96; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

**675 IAC 16-1.3-97 Section 609.10.1; air chambers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 97. Delete section 609.10.1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-97; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

**675 IAC 16-1.3-98 Section 610.2; size of potable water piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 98. (a) Change the first paragraph of section 610.2 by deleting “adequately”.

(b) Change the second paragraph of section 610.2 by deleting “water filter, water softener,”.

(c) Delete the third paragraph of section 610.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-98; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-99 Section 610.5; size of potable water piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 99. Delete section 610.5. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-99; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-100 Section 610.6; size of potable water piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 100. Change section 610.6 to read as follows: Pressure losses through water treating equipment, backflow prevention devices, or other flow restricting devices shall be computed as required by section 610.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-100; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-101 Section 610.14; exceptions**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 101. Change section 610.14 to read as follows: The provisions of this section relative to size of water piping need not apply to the following:

1. Water supply piping systems designed in accordance with recognized engineering procedures as approved by the administrative authority.
2. Alteration of, or minor additions to, existing installations, approved by the administrative authority.
3. Replacement of existing fixtures or appliances.
4. Piping which is part of fixture equipment.
5. Unusual conditions where approved by the administrative authority.
6. Nonpotable water lines as defined in section 603.4.12.

(*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-101; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-102 Section 611.0; water treatment units**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 102. Delete the first sentence of section 611.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-102; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-103 Sections 701.1.2 and 701.2.2; materials**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 103. Delete sections 701.1.2 and 701.2.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-103; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-104 Section 701.1.4; materials**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 104. Delete, in section 701.1.4, "DWV" and substitute "L". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-104; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-105 Section 701.2.3; materials**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 105. Change, in section 701.2.3, "one-fourth (1/4) inch (20.9 mm/m)" to read "one-eighth (1/8) inch (10.45 mm/m)". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-105; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-106 Table 7-3; drainage fixture unit values**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 106. Change TABLE 7-3 to read as follows: (a) Delete, in the Minimum Size Trap and Trap Arm column in TABLE 7-3, the first five (5) "2" superscript, one (1) for bar sink and four (4) "2" superscript for kitchen sink, domestic.

(b) Change the Clothes Washer, domestic 2" Standpipe<sup>5</sup> to read Clothes Washer, domestic 1½" Standpipe<sup>5</sup>, and change the minimum size trap and trap arm to 1½" from 2".

(c) In the Individual Fixtures column, add after Mop Basin, 3" trap;" Mop Basin 2" Trap," with 2" added in the minimum size trap and trap arm column.

(d) Change "Shower Stall, 2" trap" to read "Shower Stall Commercial, 2" trap".

(e) In the Individual Fixtures column, add, after "Shower Stall Commercial, 2" Trap", add the following: "Shower Stall Residential, 1½" trap" and add 1½" to the minimum size trap and trap arm column.

(f) Change Whirlpool Bath or Combination Bath/Shower to read "Whirlpool Bath or Combination Bath/Shower commercial".

(g) In the Individual Fixtures column, add, after "Whirlpool Bath or Combination Bath/Shower commercial", "Whirlpool Bath or Combination Bath/Shower residential" and add 1½" to the minimum size trap and trap arm column.

(h) Delete, in TABLE 7-3, the Heavy-Use Assembly column under the Public heading. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-106; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

**675 IAC 16-1.3-107 Section 703.3; size of drainage piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 107. Change section 703.3 to read as follows: For alternative methods see the General Administrative Rules (675 IAC 12-6-11). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-107; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

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**675 IAC 16-1.3-108 Table 7-4; discharge capacity in gallons per minute**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 108. Delete, in TABLE 7-4, “the administrative authority” and substitute “local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-108; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

**675 IAC 16-1.3-109 Section 704.4.4; closet rings (closet flanges)**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 109. Delete, in section 704.4.4, “adequately”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-109; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

**675 IAC 16-1.3-110 Section 704.4.5; closet rings (closet flanges)**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 110. Delete, in section 704.4.5, “adequate” and “properly”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-110; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

**675 IAC 16-1.3-111 Table 7-5; maximum unit loading and maximum length of drainage and vent piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 111. Delete TABLE 7-5 and substitute to read as follows:

TABLE 7-5

MAXIMUM UNIT LOADING OF DRAINAGE PIPING <sup>6</sup>											
SIZE OF PIPE, INCHES (mm)	1¼ (32)	1½ (38)	2 (51)	2½ (64)	3 (76)	4 (102)	5 (127)	6 (152)	8 (203)	10 (254)	12 (305)
Maximum Units Drainage Piping <sup>1</sup>											
Vertical	1	2 <sup>2</sup>	16 <sup>3</sup>	32 <sup>3</sup>	48 <sup>4</sup>	256	600	1,380	3,600	5,600	8,400
Horizontal	1	1	8 <sup>3</sup>	14 <sup>3</sup>	35 <sup>4</sup>	216 <sup>5</sup>	428 <sup>5</sup>	720 <sup>5</sup>	2,640 <sup>5</sup>	4,680 <sup>5</sup>	8,200 <sup>5</sup>
Maximum Length Drainage Piping											
Vertical, feet (m)	45 (14)	65 (20)	85 (26)	148 (45)	212 (45)	300 (91)	390 (119)	510 (155)	750 (228)	----	----
Horizontal (Unlimited)											

VENT PIPING

DIAMETER OF SOIL OR WASTE STACK (inches)	TOTAL FIXTURE UNITS BEING VENTED (dfu)	MAXIMUM DEVELOPED LENGTH OF VENT (feet) <sup>6</sup>										
		DIAMETER OF VENT (inches) <sup>6</sup>										
		1¼	1½	2	2½	3	4	5	6	8	10	12
1¼	2	30										
1½	8	50	150									
1½	10	30	100									
2	12	30	75	200								
2	20	26	50	150								

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

2½	42		30	100	300								
3	10		42	150	360	1,040							
3	21		32	110	270	810							
3	53		27	94	230	680							
3	102		25	86	210	620							
4	43			35	85	250	980						
4	140			27	65	200	750						
4	320			23	55	170	640						
4	540			21	50	150	580						
5	190				28	82	320	990					
5	490				21	63	250	760					
5	940				18	53	210	670					
5	1,400				16	49	190	590					
6	500					33	130	400	1,000				
6	1,100					26	100	310	780				
6	2,000					22	84	260	660				
6	2,900					20	77	240	600				
8	1,800						31	95	240	940			
8	3,400						24	73	190	720			
8	5,600						20	62	160	610			
8	7,600						18	56	140	560			
10	4,000							31	78	310	960		
10	7,200							24	60	240	740		
10	11,000							20	51	200	630		
10	15,000							18	46	180	570		
12	7,300								31	120	380	940	
12	13,000								24	94	300	720	
12	20,000								20	79	250	610	
12	26,000								18	72	230	500	
15	15,000									40	130	310	
15	25,000									31	96	240	
15	38,000									26	81	200	
15	50,000									24	74	180	

<sup>1</sup>Excluding trap arm.

<sup>2</sup>Except urinals.

<sup>3</sup>Except six-unit traps or water closets.

<sup>4</sup>Only four (4) five-unit traps allowed on any vertical pipe or stack; and not to exceed three (3) five-unit traps on any horizontal branch or drain.

<sup>5</sup>Based on one-fourth (¼) inch per foot (twenty and nine-tenths (20.9) mm/m) slope. For one-eighth (⅛) inch per foot (ten and four-tenths (10.4) mm/m) slope, multiply horizontal fixture units by a factor of eight-tenths (0.8).

<sup>6</sup>See Chapter 9 for vent stacks and stack vents, common vents, wet venting, circuit venting, combination drain and vent systems, air admittance valves, and engineered vent systems.

Note: The diameter of an individual vent shall not be less than one and one-fourth (1¼) inches (thirty-one and eight-tenths (31.8) millimeters) nor less than one-half (½) the diameter of the drain to which it is connected. Fixture unit load values for drainage and vent piping shall be computed from TABLE 7-3 and TABLE 7-4. Not to exceed one-third (⅓) of the total permitted length of

any vent may be installed in a horizontal position. When vents are increased one (1) pipe size for their entire length, the maximum length limitations specified in this TABLE do not apply. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-111; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

**675 IAC 16-1.3-112 Section 705.1.2; cement mortar joints**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 112. Change section 705.1.2 to read as follows: Cement mortar joints are prohibited on building sewers. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-112; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3397*)

**675 IAC 16-1.3-113 Section 705.1.7; elastomeric gasketed and rubber-ring joints**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 113. Delete, in section 705.1.7, "Installation Standards listed in Appendix I" and substitute "Standards listed in TABLE 14-1". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-113; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398*)

**675 IAC 16-1.3-114 Section 705.1.9; hubless cast iron pipe joints**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 114. Delete, in section 705.1.9, "Installation Standards listed in Appendix I" and substitute "Standards listed in TABLE 14-1". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-114; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398*)

**675 IAC 16-1.3-115 Section 707.2; cleanouts**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 115. Delete, in section 707.2, "acceptable to the administrative authority". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-115; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398*)

**675 IAC 16-1.3-116 Section 707.15; cleanouts**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 116. Add section 707.15 after section 707.14 to read as follows:

707.15 Cleanouts; floor drains or other means.

707.15.1 A floor drain may serve as its own cleanout.

707.15.2 A fixture or trap may be removed to serve as a cleanout. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-116; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398*)

**675 IAC 16-1.3-117 Table 7-6; cleanouts**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 117. Change TABLE 7-6 to read as follows:

TABLE 7-6

Cleanouts

---

Size of Pipe (inches)	Size of Cleanout (inches)
1½	1½
2	1½
2½	2½
3	2½
4	3½
5 and 6	4
Over 6	6

*(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-117; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)*

**675 IAC 16-1.3-118 Section 708.0; grade of horizontal drainage piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 118. Change section 708.0 to read as follows: Horizontal drainage piping shall be run in practical alignment and a uniform slope of not less than one-eighth ( $\frac{1}{8}$ ) of an inch per foot (ten and forty-five hundredths (10.45) mm/m) or one percent (1%) toward the point of disposal provided that, where it is impractical due to the depth of the street sewer or to the structural features or to the arrangement of any building or structure to obtain a slope of one-eighth ( $\frac{1}{8}$ ) of an inch per foot (ten and forty-five hundredths (10.45) mm/m) or one percent (1%), any such pipe or piping four (4) inches (one hundred two (102) millimeters) or larger in diameter may have a slope of less than one-eighth ( $\frac{1}{8}$ ) of an inch per foot (ten and five-tenths (10.5) mm/m) or one percent (1%), when first approved by the administrative authority. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-118; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)*

**675 IAC 16-1.3-119 Sections 710.3.2, 710.3.3, and 710.4; drainage of fixtures located below the next upstream manhole or below the main sewer level**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 119. (a) Delete, in section 710.3.2, “and gate valve”.

(b) Change, in section 710.3.3, “three (3) inches (seventy-six (76) millimeters)” to “two (2) inches (fifty-one (51) millimeters)”.

(c) Change the second paragraph of section 710.4 to read as follows: Gate valves, when used on drainage work, shall be full way type with working parts of corrosion resistant material. Sizes four (4) inches (one hundred two (102) millimeters) or more in diameter shall have cast iron bodies. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-119; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)*

**675 IAC 16-1.3-120 Section 710.5; drainage of fixtures located below the next upstream manhole or below the main sewer level**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 120. Delete, in section 710.5, “adequately”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-120; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)*

**675 IAC 16-1.3-121 Section 710.6; drainage of fixtures located below the next upstream manhole or below the main sewer level**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 121. (a) Delete, in the first paragraph of section 710.6, “an adequately sized” and substitute “a”.

(b) Delete “masonry”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-121; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-122 Section 710.8; drainage of fixtures located below the next upstream manhole or below the main sewer level**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 122. Delete the second and third sentences of section 710.8. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-122; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-123 Section 710.10; drainage of fixtures located below the next upstream manhole or below the main sewer level**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 123. (a) Delete, in the first sentence of section 710.10, “substantial”.

(b) Delete, in the second sentence of section 710.10, “when permitted,”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-123; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-124 Section 710.12; drainage of fixtures located below the next upstream manhole or below the main sewer level**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 124. (a) Delete, in section 710.12, “an approved” after “into” and before “sump”, and substitute “a”.

(b) Delete, in section 710.12, “satisfactory to” and substitute “approved by”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-124; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-125 Section 711.0; suds relief**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 125. Change Exception 1 in section 711.0 to read as follows: One and Two Family Dwellings and Townhouses. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-125; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-126 Section 712.1; media**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 126. Change the second sentence of section 712.1 to read as follows: The removal of cleanouts may be required to ascertain if the pressure has reached all parts of the system. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-126; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-127 Section 713.1; sewer required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 127. Delete, at the end of section 713.1, “, except as provided in sections 101.4.1.3, 713.2 and 713.4” and substitute to

read as follows: as required by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-127; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-128 Section 713.2; sewer required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 128. Delete, in section 713.2, “an approved” and substitute “a”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-128; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-129 Sections 713.3, 713.4, 713.5, and 713.6; sewer required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 129. Delete sections 713.3, 713.4, 713.5, 713.6 and substitute to read as follows: See local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-129; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-130 Sections 714.1, 714.2, 714.3, and 714.5; damage to public sewer or private sewage disposal system**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 130. Delete sections 714.1, 714.2, 714.3, and 714.5. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-130; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-131 Section 714.4; damage to public sewer or private sewage disposal system**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 131. Change section 714.4 by deleting “permission has first been obtained from the administrative authority” and substituting “unless allowed by local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-131; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399*)

**675 IAC 16-1.3-132 Section 715.1; building sewer materials approval**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 132. Delete subsection 715.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-132; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-133 Section 716.0; markings**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 133. Delete section 716.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-133; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-134 Section 717.0; size of building sewers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 134. Delete the second paragraph of section 717.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-134; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-135 Section 718.1; grade, support, and protection of building sewers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 135. Change section 718.1 to read as follows: Building sewers shall be run in practical alignment and at a uniform slope. The minimum slope of building sewers shall be in accordance with TABLE 7-9. Where conditions do not permit building sewers to be laid with a slope as great as specified in TABLE 7-9, then a lesser slope may be permitted provided the computed velocity will not be less than two (2) feet per second.

TABLE 7-9 SLOPE OF SEWER PIPE	
Size (inches)	Minimum Slope (inch per foot)
2½ or less	¼
3 to 6	⅛
8 or larger	1/16
Note: 1 inch per foot = 83.3 mm/m	

(*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-135; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-136 Section 718.2; grade, support, and protection of building sewers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 136. Change section 718.2 to read as follows: Building sewer piping shall be laid on a firm bed throughout its entire length, and any such piping laid in made or filled-in ground shall be laid on a bed of approved materials. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-136; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-137 Section 719.1; cleanouts**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 137. Add a sentence to the end of section 719.1 to read as follows: The cleanout shall be line sized up to a maximum of 8". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-137; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-138 Sections 721.1 and 721.2; location**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 138. Delete sections 721.1 and 721.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-138; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-139 Sections 722.1, 722.2, 722.3, 722.4, and 722.5; abandoned sewers and sewage disposal facilities**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 139. Delete sections 722.1, 722.2, 722.3, 722.4, and 722.5. (*Fire Prevention and Building Safety Commission; 675 IAC*

16-1.3-139; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400)

**675 IAC 16-1.3-140 Section 723.0; building sewer test**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 140. Delete, in section 723.0, “the administrative authority” and substitute “local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-140; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-141 Table 7-7; minimum horizontal distance required from the building sewer**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 141. Delete TABLE 7-7 and substitute to read as follows: See local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-141; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

**675 IAC 16-1.3-142 Table 7-8; maximum/minimum fixture unit loading on building sewer pipe**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 142. Delete, at the end of TABLE 7-8, “See also Appendix K, Private Sewage Disposal Systems. For Alternate methods of sizing drainage piping, see Appendix L.”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-142; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

**675 IAC 16-1.3-143 Section 801.7; potable water pressure tanks, water treatment devices, boilers, and relief**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 143. Change the title to section 801.7 to read as follows: Potable Water Pressure Tanks, Water Treatment Devices, Boilers, and Relief Valves. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-143; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

**675 IAC 16-1.3-144 Section 802.0; approvals**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 144. Delete section 802.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-144; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

**675 IAC 16-1.3-145 Section 805.0; pressure drainage connections**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 145. Change the second paragraph of section 805.0 to read as follows: The foregoing shall not apply to any sump pump or to any pressure-wasting plumbing fixture or device when the drainage system is adequately sized to accommodate the anticipated discharge thereof. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-145; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

**675 IAC 16-1.3-146 Section 807.3; appliances**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 146. Change Exception 2 to section 807.3 to read as follows: (2) Any materials approved in section 701.0 may be used when condensate waste from a fuel burning condensing appliance is diluted either before or after discharge into the drainage system. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-146; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

**675 IAC 16-1.3-147 Section 807.4; appliances**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 147. Change section 807.4 as follows: (a) Delete “domestic”.

(b) Add an exception to the end of section 807.4 to read as follows: Exception: Dishwasher machines in dwelling units may discharge into a wye tailpiece or dishwasher waste outlet on a garbage disposal. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-147; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

**675 IAC 16-1.3-148 Section 808.0; cooling water**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 148. Delete section 808.0. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-148; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

**675 IAC 16-1.3-149 Section 810.0; steam and hot water drainage condensers and sumps**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 149. Delete, in the second sentence of section 810.0, “administrative authority or the”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-149; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

**675 IAC 16-1.3-150 Section 810.3; steam and hot water drainage condensers and sumps**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 150. Delete, in section 810.3, “suitable”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-150; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

**675 IAC 16-1.3-151 Section 811.1; chemical wastes**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 151. Delete section 811.1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-151; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

**675 IAC 16-1.3-152 Section 811.7; chemical wastes**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 152. Delete section 811.7. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-152; filed Jun 30, 1999,*

2:53 p.m.: 22 IR 3401)

**675 IAC 16-1.3-153 Section 811.8; chemical wastes**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 153. Delete section 811.8. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-153; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

**675 IAC 16-1.3-154 Section 815.2.2; point discharge**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 154. Change section 815.2.2 to read as follows: Other points of discharge as approved by the administrative authority. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-154; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3402*)

**675 IAC 16-1.3-155 Chapter 9; vents**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 155. Delete the title and text of Chapter 9 and substitute to read as follows:

CHAPTER 9  
VENTS

SECTION 901 GENERAL

901.1 Scope. The provisions of this chapter shall govern the materials, design, construction, and installation of vent systems.

901.2 Trap seal protection. The plumbing system shall be provided with a system of vent piping that will permit the admission or emission of air so that the seal of any fixture trap shall not be subjected to a pneumatic pressure differential of more than one (1) inch (two hundred forty-nine (249) Pascals) of water.

901.2.1 Venting required. Every trap and trapped fixture shall be vented in accordance with one (1) of the venting methods specified in this chapter.

Exception: Floor drains.

901.3 Chemical waste vent system. The vent system for a chemical waste system shall be independent of the sanitary vent system and shall terminate separately through the roof to the open air.

901.4 Use limitations. The plumbing vent system shall not be utilized for purposes other than the venting of the plumbing system.

901.5 Tests. The vent system shall be tested in accordance with section 712.

901.6 Engineered systems. Engineered venting systems shall conform to the provisions of sections 301.2.2 and 918.

SECTION 902 MATERIALS

902.1 Vents. The materials and methods utilized for the construction and installation of venting systems shall comply with the applicable provisions of section 701.

902.2 Sheet copper. Sheet copper for vent pipe flashings shall be approved and shall weigh not less than eight (8) ounces per square foot (two and five-tenths (2.5) kg/m<sup>2</sup>).

902.3 Sheet lead. Sheet lead for vent pipe flashings shall weigh not less than three (3) pounds per square foot (fifteen (15) kg/m<sup>2</sup>) for field constructed flashings and not less than two and one-half (2½) pounds per square foot (twelve (12) kg/m<sup>2</sup>) for prefabricated flashings.

SECTION 903 VENT STACKS AND STACK VENTS

903.1 Main vent required. Every sanitary drainage system receiving the discharge of a water closet shall have a main vent that is either a vent stack or a stack vent. Such vent shall run undiminished in size and as directly as possible from the building drain through to the open air above the roof.

903.2 Vent stack required. A vent stack shall be required for every drainage stack that is five (5) branch intervals or more.

903.3 Vent termination. Every vent stack or stack vent shall extend outdoors and terminate to the open air.

903.4 Vent connection at base. Every vent stack shall connect to the base of the drainage stack. The vent stack shall connect at or below the lowest horizontal branch. Where the vent stack connects to the building drain, the connection shall be located within ten (10) pipe diameters downstream of the drainage stack.

903.5 Vent headers. Stack vents and vent stacks connected into a common vent header at the top of the stacks and extending to the open air at one (1) point shall be sized in accordance with the requirements of section 916.1. The number of fixture units shall be the sum of all fixture units on all stacks connected thereto, and the developed length shall be the longest vent length from the intersection at the base of the most distant stack to the vent terminal in the open air as a direct extension of one (1) stack.

**SECTION 904 VENT TERMINALS**

904.1 Roof extension. All open vent pipes that extend through a roof shall be terminated at least six (6) inches above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least seven (7) feet (two thousand one hundred thirty-four (2,134) millimeters) above the roof.

904.2 Flashings. The juncture of each vent pipe with the roof line shall be made water tight by an approved flashing.

904.3 Prohibited use. Vent terminals shall not be used as a flag pole or to support flag poles, TV aerials, or similar items, except when the piping has been anchored in an approved manner.

904.4 Location of vent terminal. An open vent terminal from a drainage system shall not be located directly beneath any door, openable window, or other air intake opening of the building or of an adjacent building, and any such vent terminal shall not be within ten (10) feet (three thousand forty-eight (3,048) millimeters) horizontally of such an opening unless it is at least two (2) feet (six hundred ten (610) millimeters) above the top of such opening.

904.5 Extension through the wall. Vent terminals extending through the wall shall terminate a minimum of ten (10) feet (three thousand forty-eight (3,048) millimeters) from the lot line and ten (10) feet (three thousand forty-eight (3,048) millimeters) above average ground level. Vent terminals shall not terminate under the overhang of a structure with soffit vents. Side wall vent terminals shall be protected to prevent birds or rodents from entering or blocking the vent opening.

**SECTION 905 VENT CONNECTIONS AND GRADES**

905.1 Connection. All individual, branch, and circuit vents shall connect to a vent stack, stack vent, or extend to the open air.

Exception: Individual, branch, and circuit vents shall be permitted to terminate at an air admittance valve in accordance with section 917.

905.2 Grade. All vent and branch vent pipes shall be so graded and connected as to drain back to the drainage pipe by gravity.

905.3 Vent connection to drainage system. Every dry vent connecting to a horizontal drain shall connect above the centerline of the horizontal drain pipe.

905.4 Vertical rise of vent. Every dry vent shall rise vertically to a minimum of six (6) inches (one hundred fifty-two (152) millimeters) above the flood level rim of the highest trap or trapped fixture being vented.

905.5 Height above fixtures. A connection between a vent pipe and a vent stack or stack vent shall be made at least six (6) inches (one hundred fifty-two (152) millimeters) above the flood level rim of the highest fixture served by the vent. Horizontal vent pipes forming branch vents, relief vents, or loop vents shall be at least six (6) inches (one hundred fifty-two (152) millimeters) above the flood level rim of the highest fixture served.

905.6 Side inlet. Side inlet closet bends are permitted only in cases where the fixture connecting thereto is vented and in no case shall the inlet be used to vent a bathroom group without being washed by a fixture.

905.7 Vent for future fixtures. Where the drainage piping has been roughed-in for future fixtures, a rough-in connection for a vent shall be installed a minimum of one-half (½) the diameter of the drain. The vent rough-in shall connect to the vent system. The connection shall be identified to indicate that the connection is a vent.

**SECTION 906 FIXTURE VENTS**

906.1 Distance of trap from vent. Each fixture trap shall have a protecting vent located so that the slope and the developed length in the fixture drain from the trap weir to the vent fitting are within the requirements set forth in TABLE 906.1.

TABLE 906.1  
MAXIMUM DISTANCE OF FIXTURE  
TRAP FROM VENT

SIZE OF TRAP (inches)	SIZE OF FIXTURE DRAIN (inches)	SLOPE (inch per foot)	DISTANCE FROM TRAP (feet)

1¼	1¼	¼	3½
1¼	1½	¼	5
1½	1½	¼	5
1½	2	¼	8
2	2	¼	6
3	3	⅛	10
4	4	⅛	12

For SI: 1 inch = 25.4 mm, 1 inch per foot = 0.0833 mm/m, 1 foot = 304.8 mm.

NOTE: A trap arm serving only a bathtub or shower may be increased to nine (9) feet with a minimum slope of one-eighth (1/8) inch vertical in twelve (12) inches of horizontal run.

906.2 Venting of fixture drains. The vent for a fixture drain, except where serving a fixture with integral traps, such as water closets, shall connect above the weir of the fixture trap being vented.

906.3 Crown vent. A vent shall not be installed within two (2) pipe diameters of the trap weir.

SECTION 907 INDIVIDUAL VENT

907.1 Individual vent permitted. Each trap and trapped fixture is permitted to be provided with an individual vent. The individual vent shall connect to the fixture drain of the trap or trapped fixture being vented.

SECTION 908 COMMON VENT

908.1 Individual vent as common vent. An individual vent is permitted to vent two (2) traps or trapped fixtures as a common vent. The traps or trapped fixtures being common vented shall be located on the same floor level.

908.2 Connection at the same level. Where the fixture drains being common vented connect at the same level, the vent connection shall be at the interconnection of the fixture drains or downstream of the interconnection.

908.3 Connection at different levels. Where the fixture drains connect at different levels, the vent shall connect as a vertical extension of the vertical drain. The vertical drain pipe connecting the two (2) fixture drains shall be considered the vent for the lower fixture drain and shall be sized in accordance with TABLE 7-5. The upper fixture shall not be a water closet.

SECTION 909 WET VENTING

909.1 Wet vent permitted. Any combination of fixtures within two (2) bathroom groups located on the same floor level are permitted to be vented by a wet vent. The wet vent shall be considered the vent for the fixtures and shall extend from the connection of the dry vent along the direction of the flow in the drain pipe to the most downstream fixture drain connection to the horizontal branch drain. Only the fixtures within the bathroom groups shall connect to the wet-vented horizontal branch drain. Any additional fixtures shall discharge downstream of the wet vent.

909.2 Vent connection. The dry vent connection to the wet vent shall be an individual vent or common vent to the lavatory, bidet, shower, or bathtub.

909.3 Size. The wet vent shall be of a minimum size as specified in TABLE 909.3, based on the fixture unit discharge to the wet vent.

TABLE 909.3  
WET VENT SIZE

WET VENT PIPE SIZE (inches)	DRAINAGE FIXTURE UNIT LOAD (dfu)
1½	1
2	4
2½	6
3	12

For SI: 1 inch = 25.4 mm.

SECTION 910 WASTE STACK VENT

910.1 Waste stack vent permitted. A waste stack shall be considered a vent for all of the fixtures discharging to the stack where installed in accordance with the requirements of this section.

910.2 Stack installation. The waste stack shall be vertical, and both horizontal and vertical offsets shall be prohibited. Every fixture drain shall connect separately to the waste stack. The stack shall not receive the discharge of water closets or urinals.

910.3 Stack vent. A stack vent shall be provided for the waste stack. The size of the stack vent shall be equal to the size of the waste stack. Offsets shall be permitted in the stack vent and shall be located at least six (6) inches (one hundred fifty-two (152) millimeters) above the flood level of the highest fixture and shall be in accordance with section 905.2.

910.4 Waste stack size. The waste stack shall be sized based on the total discharge to the stack and the discharge within a branch interval in accordance with TABLE 910.4. The waste stack shall be the same size throughout the length of the waste stack.

TABLE 910.4  
WASTE STACK VENT SIZE

STACK SIZE (inches)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS (dfu)	
	Total discharge into one branch interval	Total discharge for stack
1½	1	2
2	2	4
2½	No limit	8
3	No limit	24
4	No limit	50
5	No limit	75
6	No limit	100

For SI: 1 inch = 25.4 mm.

**SECTION 911 CIRCUIT VENTING**

911.1 Circuit vent permitted. A maximum of eight (8) fixtures connected to a horizontal branch drain shall be permitted to be circuit vented. Each fixture drain shall connect horizontally to the horizontal branch being circuit vented. The horizontal branch drain shall be classified as a vent from the most downstream fixture drain connection to the most upstream fixture drain connection to the horizontal branch.

911.1.1 Multiple circuit-vented branches. Circuit-vented horizontal branch drains are permitted to be connected together. Each group of a maximum of eight (8) fixtures shall be considered a separate circuit vent and shall conform to the requirements of this section.

911.2 Vent connection. The circuit vent connection shall be located between the two (2) most upstream fixture drains. The vent shall connect to the horizontal branch and shall be installed in accordance with section 905. The circuit vent pipe shall not receive the discharge of any soil or waste.

911.3 Slope and size of horizontal branch. The maximum slope of the vent section of the horizontal branch drain shall be one (1) unit vertical in twelve (12) units horizontal (eight percent (8%) slope). The entire length of the vent section of the horizontal branch drain shall be sized for the total drainage discharge to the branch.

911.3.1 Size of multiple circuit vent. Each separate circuit-vented horizontal branch that is interconnected shall be sized independently in accordance with section 911.3. The downstream circuit-vented horizontal branch shall be sized for the total discharge into the branch, including the upstream branches and the fixtures within the branch.

911.4 Relief vent. A relief vent shall be provided for circuit-vented horizontal branches receiving the discharge of four (4) or more water closets and connecting to a drainage stack that receives the discharge of soil or waste from upper horizontal branches.

911.4.1 Connection and installation. The relief vent shall connect to the horizontal branch drain between the stack and the most downstream fixture drain of the circuit vent. The relief vent shall be installed in accordance with section 905.

911.4.2 Fixture drain or branch. The relief vent is permitted to be a fixture drain or fixture branch for fixtures located within the same branch interval as the circuit-vented horizontal branch. The maximum discharge to a relief vent shall be four (4) fixture units.

911.5 Additional fixtures. Fixtures, other than the circuit-vented fixtures, are permitted to discharge to the horizontal branch drain. Such fixtures shall be located on the same floor as the circuit-vented fixtures and shall be either individually or common vented.

**SECTION 912 COMBINATION DRAIN AND VENT SYSTEM**

912.1 Type of fixtures. A combination drain and vent system shall not serve fixtures other than floor drains, standpipes, sinks, and lavatories.

912.2 Installation. The only vertical pipe of a combination drain and vent system shall be the connection between the fixture drain

of a sink, lavatory, or standpipe, and the horizontal combination drain and vent pipe. The maximum vertical distance shall be eight (8) feet (two thousand four hundred thirty-eight (2,438) millimeters).

912.2.1 Slope. The horizontal combination drain and vent pipe shall have a maximum slope of one-half (1/2) unit vertical in twelve (12) units horizontal (four percent (4%) slope). The minimum slope shall be in accordance with TABLE 7-5.

912.2.2 Connection. The combination drain and vent pipe shall connect to a horizontal drain that is vented or a vent, shall connect to the combination drain and vent. The vent connecting to the combination drain and vent pipe shall extend vertically a minimum of six (6) inches (one hundred fifty-two (152) millimeters) above the flood level rim of the highest fixture being vented before offsetting horizontally.

912.2.3 Vent size. The vent shall be sized for the total drainage fixture unit load in accordance with section 916.2.

912.2.4 Fixture branch or drain. The fixture branch or fixture drain shall connect to the combination drain and vent within a distance specified in TABLE 906.1. The combination drain and vent pipe shall be considered the vent for the fixture.

912.3 Size. The minimum size of a combination drain and vent pipe shall be in accordance with TABLE 912.3.

TABLE 912.3  
SIZE OF COMBINATION DRAIN  
AND VENT PIPE

DIAMETER PIPE (inches)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS (dfu)	
	Connecting to a horizontal branch or stack	Connecting to a building drain or building subdrain
2	3	4
2½	6	26
3	12	31
4	20	50
5	160	250
6	360	575

For SI: 1 inch = 25.4 mm.

**SECTION 913 ISLAND FIXTURE VENTING**

913.1 Limitation. Island fixture venting shall not be permitted for fixtures other than sinks and lavatories. Residential kitchen sinks with a dishwasher waste connection, a food waste grinder, or both, in combination with the kitchen sink waste, shall be permitted to be vented in accordance with this section.

913.2 Vent connection. The island fixture vent shall connect to the fixture drain as required for an individual or common vent. The vent shall rise vertically to above the drainage outlet of the fixture being vented before offsetting horizontally or vertically downward. The vent or branch vent for multiple island fixture vents shall extend to a minimum of six (6) inches (one hundred fifty-two (152) millimeters) above the highest island fixture being vented before connecting to the outside vent terminal.

913.3 Vent installation below the fixture flood level rim. The vent located below the flood level rim of the fixture being vented shall be installed as required for drainage piping in accordance with Chapter 7, except for sizing. The vent shall be sized in accordance with section 916.2. The lowest point of the island fixture vent shall connect full size to the drainage system. The connection shall be to a vertical drain pipe or to the top half of a horizontal drain pipe. Cleanouts shall be provided in the island fixture vent to permit rodding of all vent piping located below the flood level rim of the fixtures. Rodding in both directions shall be permitted through a cleanout.

**SECTION 914 RELIEF VENTS-STACKS OF MORE THAN TEN (10) BRANCH INTERVALS**

914.1 Where required. Soil and waste stacks in buildings having more than ten (10) branch intervals shall be provided with a relief vent at each tenth interval installed, beginning with the top floor.

914.2 Size and connection. The size of the relief vent shall be equal to the size of the vent stack to which it connects.

**SECTION 915 VENTS FOR STACK OFFSETS**

915.1 Vent for horizontal offset of drainage stack. Horizontal offsets of drainage stacks shall be vented where five (5) or more

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branch intervals are located above the offset. The offset shall be vented by venting the upper section of the drainage stack and the lower section of the drainage stack.

915.2 Upper section. The upper section of the drainage stack shall be vented as a separate stack with a vent stack connection installed in accordance with section 903.4. The offset shall be considered the base of the stack.

915.3 Lower section. The lower section of the drainage stack shall be vented by a yoke vent connecting between the offset and the next lower horizontal branch. The yoke vent connection shall be permitted to be a vertical extension of the drainage stack. The size of the yoke vent and connection shall be a minimum of the size required for the vent stack of the drainage stack.

**SECTION 916 VENT PIPE SIZING**

916.1 Size of stack vents and vent stacks. The minimum required diameter of stack vents and vent stacks shall be determined from the developed length and the total of drainage fixture units connected thereto in accordance with TABLE 916.1, but in no case shall the diameter be less than one-half (1/2) the diameter of the drain served or less than one and one-fourth (1 1/4) inches (thirty-two (32) millimeters).

916.2 Other vents. The diameter of individual vents, branch vents, circuit vents, and relief vents shall be at least one-half (1/2) the required diameter of the drain served. The required size of the drain shall be determined in accordance with Chapter 7. Vent pipes shall not be less than one and one-fourth (1 1/4) inch (thirty-two (32) millimeters) in diameter. Vents exceeding forty (40) feet (twelve thousand one hundred ninety-two (12,192) millimeters) in developed length shall be increased by one (1) nominal pipe size for the entire developed length of the vent pipe. Relief vents for soil and waste stacks in buildings having more than ten (10) branch intervals shall be sized in accordance with section 914.2.

TABLE 916.1  
SIZE AND DEVELOPED LENGTH OF STACK VENTS AND VENT STACKS

DIAMETER OF SOIL OR WASTE STACK (inches)	TOTAL FIXTURE UNITS BEING VENTED (dfu)	MAXIMUM DEVELOPED LENGTH OF VENT (feet) <sup>a</sup>										
		DIAMETER OF VENT (inches)										
		1/4	1/2	2	2 1/2	3	4	5	6	8	10	12
1/4	2	30										
1/2	8	50	150									
1/2	10	30	100									
2	12	30	75	200								
2	20	26	50	150								
2 1/2	42		30	100	300							
3	10		42	150	360	1,040						
3	21		32	110	270	810						
3	53		27	94	230	680						
3	102		25	86	210	620						
4	43			35	85	250	980					
4	140			27	65	200	750					
4	320			23	55	170	640					
4	540			21	50	150	580					
5	190				28	82	320	990				
5	490				21	63	250	760				
5	940				18	53	210	670				
5	1,400				16	49	190	590				
6	500					33	130	400	1,000			
6	1,100					26	100	310	780			
6	2,000					22	84	260	660			
6	2,900					20	77	240	600			
8	1,800						31	95	240	940		
8	3,400						24	73	190	720		
8	5,600							20	62	160	610	
8	7,600							18	56	140	560	
10	4,000								31	78	310	960
10	7,200								24	60	240	740

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10	11,000							20	51	200	630	
10	15,000							18	46	180	570	
12	7,300								31	120	380	940
12	13,000								24	94	300	720
12	20,000								20	79	250	610
12	26,000								18	72	230	500
15	15,000									40	130	310
15	25,000									31	96	240
15	38,000									26	81	200
15	50,000									24	74	180

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

<sup>a</sup>The developed length shall be measured from the vent connection to the open air.

916.3 Developed length. The developed length of individual, branch, circuit, and relief vents shall be measured from the farthest point of vent connection to the drainage system to the point of connection to the vent stack, stack vent, or termination outside of the building.

916.4 Multiple branch vents. Where multiple branch vents are connected to a common branch vent, the common branch vent shall be sized in accordance with this section based on the size of the common horizontal drainage branch that is or would be required to serve the total drainage fixture unit (dfu) load being vented.

916.4.1 Multiple branch vents exceeding forty (40) feet (twelve thousand one hundred ninety-two (12,192) millimeters) in developed length. Multiple branch vents exceeding forty (40) feet (twelve thousand one hundred ninety-two (12,192) millimeters) in developed length shall be increased by nominal size for the entire developed length of the vent pipe.

916.5 Sump vents. Sump vent sizes shall be determined in accordance with sections 916.5.1 and 916.5.2.

916.5.1 Sewage pumps and sewage ejectors other than pneumatic. Drainage piping below sewer level shall be vented in a similar manner to that of a gravity system. Building sump vent sizes for sumps with sewage pumps or sewage ejectors, other than pneumatic, shall be determined in accordance with TABLE 916.5.1.

916.5.2 Pneumatic sewage ejectors. The air pressure relief pipe from a pneumatic sewage ejector shall be connected to an independent vent stack terminating as required for vent extensions through the roof. The relief pipe shall be sized to relieve air pressure inside the ejector to atmospheric pressure, but shall not be less than one and one-fourth (1¼) inches (thirty-two (32) millimeters) in size.

TABLE 916.5.1  
SIZE AND LENGTH OF SUMP VENTS

DISCHARGE CAPACITY OF PUMP (gpm)	MAXIMUM DEVELOPED LENGTH OF VENT (feet) <sup>a</sup>					
	Diameter of vent (inches)					
	1¼	1½	2	2½	3	4
10	No limit <sup>b</sup>	No limit	No limit	No limit	No limit	No limit
20	270	No limit	No limit	No limit	No limit	No limit
40	72	160	No limit	No limit	No limit	No limit
60	31	75	270	No limit	No limit	No limit
80	16	41	150	380	No limit	No limit
100	10 <sup>c</sup>	25	97	250	No limit	No limit
150	Not permitted	10 <sup>c</sup>	44	110	370	No limit
200	Not permitted	Not permitted	20	60	210	No limit
250	Not permitted	Not permitted	10	36	132	No limit
300	Not permitted	Not permitted	10 <sup>c</sup>	22	88	380
400	Not permitted	Not permitted	Not permitted	10 <sup>c</sup>	44	210
500	Not permitted	Not permitted	Not permitted	Not permitted	24	130

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 gpm = 3.785 L/m.

<sup>a</sup>Developed length plus an appropriate allowance for entrance losses and friction due to fittings, changes in direction and diameter.

Suggested allowances shall be obtained from approved sources. An allowance of fifty percent (50%) of the developed length shall be assumed if a more precise value is not available.

<sup>b</sup>Actual values greater than five hundred (500) feet.

<sup>c</sup>Less than ten (10) feet.

**SECTION 917 AIR ADMITTANCE VALVES**

917.1 General. Vent systems utilizing air admittance valves shall comply with this section. Individual and branch-type air admittance valves shall conform to ASSE 1051.

917.2 Installation. The valves shall be installed in accordance with the requirements of this section and the manufacturer's installation instructions. Air admittance valves shall be installed after the DWV testing required by section 712 has been performed.

917.3 Where permitted. Individual, branch, and circuit vents shall be permitted to terminate with a connection to an air admittance valve. The air admittance valve shall only vent fixtures that are on the same floor level and connect to a horizontal branch drain. The horizontal branch drain shall conform to section 917.3.1 or 917.3.2.

917.3.1 Location of branch. The horizontal branch drain shall connect to the drainage stack or building drain a maximum of four (4) branch intervals from the top of the stack.

917.3.2 Relief vent. The horizontal branch shall be provided with a relief vent that shall connect to a vent stack, or stack vent, or extend outdoors to the open air. The relief vent shall connect to the horizontal branch drain between the stack or building drain and the most downstream fixture drain connected to the horizontal branch drain. The relief vent shall be sized in accordance with section 916.2 and installed in accordance with section 905. The relief vent shall be permitted to serve as the vent for other fixtures.

917.4 Location. The air admittance valve shall be located a minimum of four (4) inches (one hundred two (102) millimeters) above the horizontal branch drain or fixture drain being vented. The air admittance valve shall be located within the maximum developed length permitted for the vent. The air admittance valve shall be installed a minimum of six (6) inches (one hundred fifty-two (152) millimeters) above insulation materials.

917.5 Access and ventilation. Access shall be provided to all air admittance valves. The valve shall be located within a ventilated space that allows air to enter the valve.

917.6 Size. The air admittance valve shall be rated for the size of the vent to which the valve is connected.

917.7 Vent required. Within each plumbing system, a minimum of one (1) stack vent or vent stack shall extend outdoors to the open air.

917.8 Prohibited installations. Air admittance valves shall not be installed in nonneutralized special waste systems. Valves shall not be located in spaces utilized as supply or return air plenums.

**SECTION 918 ENGINEERED VENT SYSTEMS**

918.1 General. Engineered vent systems shall comply with this section and section 301.2.2.

918.2 Individual branch fixture and individual fixture header vents. The maximum developed length of individual fixture vents to vent branches and vent headers shall be determined in accordance with TABLE 918.2 for the minimum pipe diameters at the indicated vent airflow rates.

The individual vent airflow rate shall be determined in accordance with the following:

$$Q_{h,b} = N_{n,b} Q_v$$

For SI:  $Q_{h,b} = N_{n,b} Q_v$  (0.4719 L/s)

Where:  $N_{n,b}$  = Number of fixtures per header (or vent branch), total number of fixtures connected to vent stack.

$Q_{h,b}$  = Vent branch or vent header airflow rate (cfm).

$Q_v$  = Total vent stack airflow rate (cfm).

$$Q_v \text{ (gpm)} = 27.8 r_s^{2/3} (1 - r_s) D^{8/3}$$

$$Q_v \text{ (cfm)} = 0.134 Q_v \text{ (gpm)}$$

Where:  $D$  = Drainage stack diameter (inches).

$Q_w$  = Design discharge load (gpm).

$r_s$  = Waste water flow area to total area.

$$\frac{Q_w}{27.8 D^{8/3}}$$

Individual vent airflow rates are obtained by equally distributing  $Q_{h,b}$  into one-half (1/2) the total number of fixtures on the branch or header for more than two (2) fixtures; for an odd number of total fixtures, decrease by one (1); for one (1) fixture, apply the full

value of  $Q_{h,b}$ .

Individual vent developed length shall be increased by twenty percent (20%) of the distance from the vent stack to the fixture vent connection on the vent branch or header.

**TABLE 918.2**  
**MINIMUM DIAMETER AND MAXIMUM LENGTH OF INDIVIDUAL BRANCH FIXTURE VENTS AND**  
**INDIVIDUAL FIXTURE HEADER VENTS FOR SMOOTH PIPES**

DIAMETER OF VENT PIPE (inches)	INDIVIDUAL VENT AIRFLOW RATE (cubic feet per minute)																			
	Maximum developed length of vent (feet)																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1/2	95	25	13	8	5	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1
3/4	100	88	47	30	20	15	10	9	7	6	5	4	3	3	3	2	2	2	2	1
1	-	-	100	94	65	48	37	29	24	20	17	14	12	11	9	8	7	7	6	6
1 1/4	-	-	-	-	-	-	-	100	87	73	62	53	46	40	36	32	29	26	23	21
1 1/2	-	-	-	-	-	-	-	-	-	-	-	100	96	84	75	67	60	54	49	45
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100

For SI: 1 inch = 25.4 mm, 1 cfm = 0.4719 L/s, 1 foot = 304.8 mm.

*(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-155; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3402)*

**675 IAC 16-1.3-156 Table 10-1; horizontal distance of trap arms**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 156. Delete TABLE 10-1 and substitute to read as follows: See TABLE 906.1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-156; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

**675 IAC 16-1.3-157 Section 1003.2; traps-described**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 157. (a) Change, in section 1003.1, “one (1)” to read “two (2)”.

(b) Change, in section 1003.2, “fitting” to read “fittings”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-157; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

**675 IAC 16-1.3-158 Section 1004.0; traps-prohibited**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 158. Change the fourth sentence of section 1004.0 to read as follows: Drum and bottle traps may be installed only when permitted by local ordinance for special conditions. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-158; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

**675 IAC 16-1.3-159 Section 1005.0; trap seals**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 159. Change section 1005.0 to read as follows: Each fixture trap shall have a water seal of not less than two (2) inches (fifty-one (51) millimeters) and not more than four (4) inches (one hundred two (102) millimeters) unless approved. Traps shall be set true with respect to their water seals, and, where necessary, they shall be protected from freezing. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-159; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

*Safety Commission; 675 IAC 16-1.3-159; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

**675 IAC 16-1.3-160 Section 1006.0; floor drain traps**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 160. Delete, in the last sentence of section 1006.0, “an approved” and substitute “a”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-160; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

**675 IAC 16-1.3-161 Section 1007.0; trap seal protection**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 161. (a) Change the first sentence of section 1007.0 to read as follows: Floor drain or similar traps directly connected to the drainage system and subject to infrequent use shall be provided with an approved automatic means of maintaining their water seals.

(b) Add an exception to the end of section 1007.0 to read as follows: Exception: One (1) and two (2) family dwellings, townhouses, and dwelling units. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-161; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

**675 IAC 16-1.3-162 Section 1008.0; building traps**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 162. Change section 1008.0 to read as follows: Building traps shall not be installed. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-162; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

**675 IAC 16-1.3-163 Section 1009.1; when required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 163. Change section 1009.1 to read as follows: Interceptors (clarifiers) (including grease, oil, and sand interceptors (clarifiers), etc.) shall be provided when they are necessary for the handling of liquid wastes containing grease, flammable wastes, sand, solids, acid, or alkaline substances. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-163; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)*

**675 IAC 16-1.3-164 Section 1009.2; approval**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 164. Change section 1009.2 to read as follows: The size, type, and location of each interceptor (clarifier) or separator shall be approved by the administrative authority. No wastes other than those requiring treatment or separation shall be discharged into any interceptor (clarifier). *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-164; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410)*

**675 IAC 16-1.3-165 Section 1009.5; location**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 165. Change section 1009.5 to read as follows: Each interceptor (clarifier) cover shall be readily accessible. *(Fire*

*Prevention and Building Safety Commission; 675 IAC 16-1.3-165; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410)*

**675 IAC 16-1.3-166 Section 1009.6; maintenance of interceptors**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 166. Delete section 1009.6. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-166; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410)*

**675 IAC 16-1.3-167 Section 1011.0; minimum requirement for auto wash racks**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 167. Delete, in section 1011.0, “adequately”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-167; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410)*

**675 IAC 16-1.3-168 Section 1012.0; laundries**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 168. Change section 1012.0 to read as follows: Laundry equipment that does not have integral stainers shall discharge into an interceptor having a wire basket or similar device, that is removable for cleaning and that will prevent passage into the drainage system of solids one-half (½) inch (twelve and seven-tenths (12.7) millimeters) or larger in maximum dimension such as string, rags, or buttons. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-168; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410)*

**675 IAC 16-1.3-169 Section 1014.1; grease traps and grease interceptors**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 169. Change section 1014.1 to read as follows: An approved type grease trap complying with the provisions of this section shall be installed in the waste line leading from sinks, drains, and other fixtures or equipment in establishments such as restaurants, cafes, lunch counters, cafeterias, bars and clubs, hotel, hospital, sanitarium, factory, or school kitchens, or other establishments where grease may be introduced into the drainage or sewage system in quantities that can effect line stoppage or hinder sewage treatment or private sewage disposal. A grease trap is not required for individual dwelling units or for any private living quarters.

Exception: Listed grease traps or grease interceptors with approved type flow controls or restricting devices may be installed in an accessible location in accordance with the manufacturer’s instructions.

*(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-169; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410)*

**675 IAC 16-1.3-170 Section 1014.3; grease traps and grease interceptors**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 170. Change section 1014.3 by deleting the exception. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-170; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410)*

**675 IAC 16-1.3-171 Section 1014.6; grease traps and grease interceptors**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 171. Delete section 1014.6. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-171; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

**675 IAC 16-1.3-172 Section 1014.10; grease interceptors for commercial kitchens**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 172. Delete section 1014.10. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-172; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

**675 IAC 16-1.3-173 Section 1015.0; food waste disposal and dishwasher prohibited**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 173. Change section 1015.0 to read as follows: Unless specifically permitted by local ordinance, no food waste disposal unit or dishwasher shall be connected to or discharge into any grease trap or interceptor. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-173; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

**675 IAC 16-1.3-174 Table 10-2; grease traps**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 174. Change, in the Note to TABLE 10-2, “permit” to “approve”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-174; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-175 Section 1016.1.2; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 175. Delete section 1016.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-175; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-176 Section 1016.4; alternate design**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 176. Change section 1016.4 to read as follows: Alternate designs for construction or baffling of sand interceptors complying with the intent of this code shall be submitted to the office of the state building commissioner in accordance with the General Administrative Rules (675 IAC 12-6-11). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-176; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-177 Section 1017.1; interceptors required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 177. (a) Change the first sentence of section 1017.1 by adding to the end of the first sentence “as required by the building code”.

(b) Change the seventh sentence by deleting at the end of the sentence “and meeting the requirements of the administrative authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-177; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-178 Section 1017.2; design of interceptors**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 178. Delete, in section 1017.2, the third sentence in the second paragraph. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-178; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-179 Section 1017.2.1; design of interceptors**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 179. Add section 1017.2.1 after section 1017.2 to read as follows: Alternate design. Alternate design for construction of oil and flammable liquids interceptors complying with the intent of this code shall be submitted to the office of the state building commissioner in accordance with the General Administrative Rules (675 IAC 12-6-11). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-179; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-180 Section 1017.3; combination oil and sand interceptor**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 180. Delete, at the end of section 1017.3, "See also Appendix H, Procedures for Sizing Commercial Kitchen Grease Interceptors". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-180; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-181 Section 1101.1; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 181. Delete section 1101.1. The locations to where storm drainage must be directed may be regulated by local ordinance. Storm drainage systems is [*sic., are*] the remaining subject matter of this chapter. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-181; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-182 Section 1101.2; storm water drainage to sanitary sewer prohibited**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 182. Delete section 1101.2. The locations to where storm drainage must be directed may be regulated by local ordinance. Storm drainage is the remaining subject matter of this chapter. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-182; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-183 Section 1101.10; paved areas**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 183. Delete section 1101.10. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-183; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-184 Section 1101.11.1; primary roof drainage**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 184. Change the third sentence of section 1101.11.1 to read as follows: Roof drains, gutters, vertical conductors or leaders, and horizontal storm drains for primary drainage within or on the structure shall be sized based on a storm of sixty (60) minutes duration and one hundred (100) year return period (See Appendix D). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-184; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

**675 IAC 16-1.3-185 Sections 1101.11.2.1; secondary roof drainage**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 185. Delete the second sentence of section 1101.11.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-185; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

**675 IAC 16-1.3-186 Sections 1101.11.2.2 and 1101.11.2.3; secondary roof drainage**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 186. Delete sections 1101.11.2.2 and 1101.11.2.3. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-186; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

**675 IAC 16-1.3-187 Section 1101.11.2.4; secondary roof drainage**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 187. Delete the second sentence of section 1101.11.2.4. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-187; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

**675 IAC 16-1.3-188 Section 1106.2; size of horizontal storm drains and sewers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 188. Change section 1106.2 to read as follows: The size of building storm drains or building storm sewers or any of their horizontal branches shall be based upon the maximum projected roof area to be handled and TABLE 11-2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-188; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

**675 IAC 16-1.3-189 Section 1106.4; side walls draining into a roof**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 189. Change, in item 1 of section 1106.4, “fifty (5)” to “fifty (50)”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-189; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

**675 IAC 16-1.3-190 Section 1108.1; application**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 190. Change section 1108.1 by adding item 14 to the end of the section to read as follows: (14) Compliance with the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-190; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

**675 IAC 16-1.3-191 Section 1109.2.3; exceptions**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 191. Delete section 1109.2.3 and substitute to read as follows: Alternative methods of testing storm drainage systems complying with the intent of this code shall be submitted to the office of the state building commissioner in accordance with the General Administrative Rules (675 IAC 12-6-11). *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-191; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

**675 IAC 16-1.3-192 Chapter 12; fuel piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 192. Delete Chapter 12. See the Indiana Mechanical Code (675 IAC 18) for fuel piping. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-192; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

**675 IAC 16-1.3-193 Chapter 13; medical gas systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 193. Delete Chapter 13. See the building code (675 IAC 12) and the 1998 Indiana Fire Code (675 IAC 22) for medical gas systems. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-193; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

**675 IAC 16-1.3-194 Chapter 14; mandatory referenced standard - TABLE 14-1**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 194. (a) Delete, in TABLE 14-1, the appliance and appurtenances referral standards and substitute to read as follows: Water heater relief valve drain tubes-ASME A112.4.1-93.

(b) Delete, in TABLE 14-1, the following standards:

(1) Prefabricated fiberglass church baptistries, IAPMO PS 98-96.

(2) Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings, F402-93, IAPMO IS 8-95, IAPMO IS 9-95, IAPMO IS 20-96.

(c) Delete, in TABLE 14-1, the standards for medical gas and vacuum systems and joining materials and methods-medical gas piping.

(d) Delete, in TABLE 14-1, the following standards:

(1) National fuel gas code, Z223.1-92/NFPA 54.

(2) Energy efficient design of new buildings except low-rise residential buildings, ASHRAE 90.1-89.

(3) Accessible and usable buildings and facilities, CABO A117.1-92.

(4) Drinking water treatment units-aesthetic effects, NSF 42-88.

(5) Drinking water treatment units-health effects, NSF 53-94.

(6) Reverse osmosis drinking water treatment systems, NSF 58-96.

(7) Liquefied petroleum gases, storage, and handling, NFPA 58-92.

(8) Smooth wall polyethylene (PE) pipe for use in drainage and waste disposal absorption fields, F 810-93.

(e) Delete, in TABLE 14-1, the standards for building sewer-combined.

(f) Delete Footnote number 1 from TABLE 14-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-194; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

**675 IAC 16-1.3-195 Table 14-2; fixture and fitting standards**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 195. Delete, in TABLE 14-2, the following standards:

(1) Hot water dispensers, fixture-mounted, ANSI/ASSE 1023.

(2) Water heaters, electric, ANSI Z21.10.1.

(3) Water heaters, gas, Volume I, ANSI Z21.10.1.

(4) Water heaters, gas, Volume III, ANSI Z21.10.3.

(5) Water heaters, oil, ANSI Z21.10.1, UL 174, UL 732.

*(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-195; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413)*

**675 IAC 16-1.3-196 Appendix A; recommended rules for sizing the water supply system**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 196. Delete Appendix A. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-196; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413)*

**675 IAC 16-1.3-197 Appendix B; explanatory notes on combination waste and vent systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 197. Delete Appendix B. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-197; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413)*

**675 IAC 16-1.3-198 Appendix C; additional referenced standards**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 198. Delete Appendix C. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-198; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413)*

**675 IAC 16-1.3-199 Appendix D; sizing storm water drainage system**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 199. Appendix D is adopted. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-199; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413)*

**675 IAC 16-1.3-200 Appendix E; manufactured home parks and recreational vehicle parks**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 200. Delete Appendix E. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-200; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413)*

**675 IAC 16-1.3-201 Appendix G; graywater systems for single family dwellings**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 201. Delete Appendix G. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-201; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

**675 IAC 16-1.3-202 Appendix H; recommended procedures for kitchen design, construction, and installation of commercial kitchen grease interceptors**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 202. Delete Appendix H. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-202; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

**675 IAC 16-1.3-203 Appendix I; installation standards**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 203. Delete Appendix I. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-203; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

**675 IAC 16-1.3-204 Appendix J; reclaimed water systems for nonresidential buildings**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 204. Delete Appendix J. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-204; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

**675 IAC 16-1.3-205 Appendix K; private sewage disposal systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 205. Delete Appendix K. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-205; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

**675 IAC 16-1.3-206 Appendix L; alternate plumbing systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 206. Delete Appendix L. See the General Administrative Rules (675 IAC 12-6-11) for alternate plumbing systems. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-206; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

**Rule 2. American Society of Sanitary Engineers Standard 1051-1998**

**675 IAC 16-2-1 Title; availability**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. (a) This rule shall be published, except for incorporated documents, by the fire and building services department, for general distribution and use under that title.

(b) The American Society of Sanitary Engineers Standard 1051 is available for purchase from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W221, Indianapolis, Indiana 46204-2739. (*Fire Prevention and Building Safety Commission; 675 IAC 16-2-1; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

**675 IAC 16-2-2 Adoption by reference**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. That certain document, being titled as American Society of Sanitary Engineers Standard 1051, 1998 Edition, published by the American Society of Sanitary Engineers, 28901 Clemens Road, Westlake, Ohio 44145, be and the same is hereby adopted by reference, as if fully set out in this rule, save and except those amendments made in this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 16-2-2; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

**675 IAC 16-2-3 Connections**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 3. Delete subsection 1.4.7 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 16-2-3; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

**675 IAC 16-2-4 Code requirements; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. (a) Change section 4.1.6, code requirements, to read as follows: Installation shall be in accordance with the manufacturers' installation instructions and the plumbing code.

(b) Delete the first sentence of section 5.0. Definitions. (*Fire Prevention and Building Safety Commission; 675 IAC 16-2-4; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

**ARTICLE 17. ELECTRICAL CODES**

**Rule 1. Electrical Code (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Feb 17, 1987, 3:15 pm: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]*)

**Rule 1.1. Indiana Electrical Code (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Feb 21, 1990, 1:30 p.m.: 13 IR 1169*)

**Rule 1.2. Indiana Electrical Code (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Mar 9, 1994, 2:15 p.m.: 17 IR 1620*)

**Rule 1.3. Indiana Electrical Code, 1993 Edition (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Aug 15, 1997, 8:45 a.m.: 21 IR 107*)

**Rule 1.4. Indiana Electrical Code, 1997 Edition (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1381*)

**Rule 1.5. Indiana Electrical Code, 1999 Edition (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Aug 14, 2002, 4:20 p.m.: 26 IR 19*)

**Rule 1.6. Indiana Electrical Code, 2002 Edition**

**675 IAC 17-1.6-1 Adoption by reference**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 1. That certain document, being titled as National Electrical Code, 2002 edition, First printing and Errata to the First Printing (Errata date January 18, 2002), both published by the National Fire Protection Association, One Batterymarch Park, Quincy, Massachusetts 02269, is hereby incorporated by reference and made a part of this rule, except those portions as are amended and adopted in sections 3 through 26 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-1; filed Aug 14, 2002, 4:20 p.m.: 26 IR 15*)

**675 IAC 17-1.6-2 Title; availability**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 2. (a) This rule shall be known as the Indiana Electrical Code, 2002 edition, and shall be published, except for incorporated documents, by the fire and building services department for general distribution and use under the title. Whenever the term "this code" is used within this rule, including incorporated documents, it shall mean the Indiana Electrical Code.

(b) This rule, with the incorporated National Electrical Code, 2002 edition, is available for review and reference at the Fire and Building Services Department, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-2; filed Aug 14, 2002, 4:20 p.m.: 26 IR 16*)

**675 IAC 17-1.6-3 Article 80; administration and enforcement**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 3. Article 80 is deleted in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-3; filed Aug 14, 2002, 4:20 p.m.: 26 IR 16*)

**675 IAC 17-1.6-4 Section 90.2; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 4. Section 90.2 is amended to read as follows: (A) Covered. This code covers: Installations of electric conductors and equipment within or on Class 1 and Class 2 structures, including industrialized building systems, and other premises wiring covered by rules of the Commission in this title.

Class 1 and Class 2 Structures covered by the Indiana Residential Code shall be made to comply with the provisions of this code, or the electrical provisions of the Indiana Residential Code (675 IAC 14).

(B) Not Covered. This code does not cover:

(1) Installations in ships, watercraft, railway rolling stock, aircraft, automotive vehicles, and buildings or structures that are not Class 1 or Class 2 structures.

(2) Installations underground in mines.

(3) Installations of railways for generation, transformation, transmission, or distribution of power used exclusively for operation of rolling stock or installations used exclusively for signaling and communication purposes.

(4) Installations of communication equipment under the exclusive control of communication utilities, located outdoors or in building spaces used exclusively for such installations.

(5) Installations, including associated lighting under the exclusive control of electric utilities for the purpose of communication, or metering; or for the generation, control, transformation, transmission, and distribution of electric energy located in buildings used exclusively by utilities for such purposes or located outdoors on property owned or leased by the utility or on public highways, streets, roads, etc., or outdoors on private property by established rights such as easements.

(6) Installations of electrical wiring, equipment, and devices, factory installed in manufactured homes under the authority of

the U.S. Department of Housing and Urban Development (HUD).

*(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-4; filed Aug 14, 2002, 4:20 p.m.: 26 IR 16)*

**675 IAC 17-1.6-5 Section 90.4; enforcement**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 5. Section 90.4 is amended to read as follows: Requirements covering enforcement, granting of variances, and approval of alternate methods or materials are covered in Indiana statutes and 675 IAC 12, the General Administrative Rules of the Commission. *(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-5; filed Aug 14, 2002, 4:20 p.m.: 26 IR 16)*

**675 IAC 17-1.6-6 Section 90.6; formal interpretations**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 6. Section 90.6 is deleted in its entirety without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-6; filed Aug 14, 2002, 4:20 p.m.: 26 IR 16)*

**675 IAC 17-1.6-7 Section 90.7; examination of equipment for safety**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 7. Section 90.7 is deleted in its entirety without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-7; filed Aug 14, 2002, 4:20 p.m.: 26 IR 16)*

**675 IAC 17-1.6-8 Section 90.8; wiring planning**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 8. Section 90.8 is deleted in its entirety without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-8; filed Aug 14, 2002, 4:20 p.m.: 26 IR 16)*

**675 IAC 17-1.6-9 Section 90.9; units of measurement**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9. Delete the text of Section 90.9 and substitute the following: For the purpose of this code, the measurement system is the English (U.S. customary or inch-pound) system. Compliance with the numbers shown in the inch-pound system shall constitute compliance with this code. *(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-9; filed Aug 14, 2002, 4:20 p.m.: 26 IR 17)*

**675 IAC 17-1.6-10 Article 100; definitions**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-7; IC 22-13-2-11; IC 22-14-2-10; IC 22-15-2-7; IC 36-7-2-9; IC 36-8-17-9

Sec. 10. (a) In Part 1 of Article 100, delete the text of the definition of APPROVED and substitute to read as follows: APPROVED. Acceptance by the AUTHORITY HAVING JURISDICTION by one (1) of the following methods:

(1) investigation or tests conducted by recognized authorities; or

(2) investigation or tests conducted by technical or scientific organizations; or accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their

intended purpose.

(b) In Part 1 of Article 100, delete the text of the definition of AUTHORITY HAVING JURISDICTION and substitute to read as follows: AUTHORITY HAVING JURISDICTION. The office of the state building commissioner authorized under IC 22-15-2-7; the office of the state fire marshal authorized under IC 22-14-2-10; the local building official authorized under IC 36-7-2-9 and local ordinance; the fire department authorized under IC 36-8-17-9.

(c) In Part 1 of Article 100, after the definition of ISOLATED, add the definition of KITCHEN to read as follows: KITCHEN means an area used, or designated to be used, for the preparation of food.

(d) In Part 1 of Article 100, delete the text of the definition of SPECIAL PERMISSION and substitute to read as follows: SPECIAL PERMISSION. A variance granted by the commission under IC 22-13-2-11 or a variance granted by a political subdivision and approved by the commission under IC 22-13-2-7(b). (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-10; filed Aug 14, 2002, 4:20 p.m.: 26 IR 17*)

**675 IAC 17-1.6-11 Section 110.26; working clearances**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 11. Change Section 110.26(A)(1)(b) to read as follows: When approved, smaller spaces may be permitted where all uninsulated parts are at a voltage no greater than 30 volts RMS, or 42 volts peak, or 60 volts DC. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-11; filed Aug 14, 2002, 4:20 p.m.: 26 IR 17*)

**675 IAC 17-1.6-12 Section 210.12; arc-fault circuit-interrupter protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 12. In Section 210.12(B), Dwelling unit bedrooms, delete “outlets” and insert “receptacle outlets”. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-12; filed Aug 14, 2002, 4:20 p.m.: 26 IR 17*)

**675 IAC 17-1.6-13 Section 210.60; guest rooms**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 13. The first sentence in Section 210.60(A) is amended to read as follows: Guest rooms in hotels, motels, health care facilities, and similar occupancies shall have receptacle outlets installed in accordance with Section 210.52(A) and 210.52(D). (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-13; filed Aug 14, 2002, 4:20 p.m.: 26 IR 17*)

**675 IAC 17-1.6-14 Section 230.2; number of services**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 14. (a) Change the second sentence of Section 230.2 to read as follows: For the purpose of Section 230.40, Exception No. 2 only, underground sets of conductors, size 1/0 AWG and larger, running to the same location as close as practical and connected together at their supply end, but not connected together at their load end, shall be considered to be one (1) lateral.

(b) Amend Section 230.2(B) Special occupancies, by deleting “By special permission” and inserting “When approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-14; filed Aug 14, 2002, 4:20 p.m.: 26 IR 17*)

**675 IAC 17-1.6-15 Section 230.40; service-entrance conductors**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 15. Change the second exception to Section 230.40 to read as follows: Exception No. 2: Where two (2) to six (6) service

disconnecting means in separate enclosures are grouped as close as practical at one (1) location and supply separate loads from one (1) service drop or lateral, one (1) set of service-entrance conductors shall be permitted to supply each or several such service equipment enclosures. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-15; filed Aug 14, 2002, 4:20 p.m.: 26 IR 17*)

**675 IAC 17-1.6-16 Section 250.104; bonding of piping and exposed structural steel**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 16. (a) Amend the third sentence of SECTION 250.104(B) to read: The equipment grounding conductor for the circuit that may energize the piping shall be permitted to serve as the bonding means if connected using a fixed wiring method.

(b) At the end of SECTION 250.104(B), add a sentence to read as follows: All aboveground metal gas piping upstream from the equipment shutoff valve shall be electrically continuous. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-16; filed Aug 14, 2002, 4:20 p.m.: 26 IR 18; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2278*)

**675 IAC 17-1.6-17 Table 314.16(A); metal boxes**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 17. In the line for 4 x 1-1/4-inch round/octagonal boxes and in the column for 8AWG conductor, delete "5" and insert "4". In the line for 3-3/4 x 2 x 3-1/2-inch masonry box/gang boxes and in the column for 6AWG conductor, delete "2" and insert "4". (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-17; filed Aug 14, 2002, 4:20 p.m.: 26 IR 18*)

**675 IAC 17-1.6-18 Section 334.10; uses permitted**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 18. (a) Delete the text of (2) in Section 334.10 and substitute: (2) In any building or structure not exceeding three (3) stories (see Section 362.10 for the definition of STORY).

(a) For exposed work except as prohibited in Section 334.12.

(b) Concealed within walls, floors, and ceilings except as prohibited in Section 334.12.

(b) Delete the text of (3) in Section 334.10 and substitute: (3) In any building or structure exceeding three (3) stories (see Section 362.10 for the definition of STORY), Type NM, Type NMC, and Type NMS cables shall be concealed within walls, floors, and ceilings that provide a thermal barrier of material that has at least a 15-minute finish rating identified in listings of fire-rated assemblies. The 15-minute-finish-rated thermal barrier shall be permitted to be used for combustible walls, floors, and ceilings, except as prohibited in Section 334.12.

Exception: Where the building is provided with an approved automatic sprinkler system throughout, Type NM, Type NMC, and Type NMS cables are permitted to be used within walls, floors, ceilings, exposed or concealed, in buildings exceeding three (3) stories.

(*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-18; filed Aug 14, 2002, 4:20 p.m.: 26 IR 18*)

**675 IAC 17-1.6-19 Section 334.12; uses not permitted**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 19. In Section 334.12(A), delete Item 1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-19; filed Aug 14, 2002, 4:20 p.m.: 26 IR 18*)

**675 IAC 17-1.6-20 Section 362.10; uses permitted**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 20. (a) Delete the first two (2) sentences of text in Uses Permitted and substitute to read as follows: For the purpose of this section a story is that portion of a building included between the upper surface of any floor and the upper surface of the floor next above, except that the topmost story shall be that portion of a building included between the upper surface of the topmost floor and the ceiling or roof above. If the finished floor level directly above a usable or unused under-floor space is more than 6 feet (1,829 mm) above grade for more than 50 percent of the total perimeter or is more than 12 feet (3,658 mm) above grade at any point, such usable or unused under-floor space shall be considered as a story.

(b) In Item (1) under Uses Permitted, delete “floors above grade” and substitute “stories”.

(c) In Item (2) under Uses Permitted, delete “floors above grade” and substitute “stories”.

(d) Delete the text of the exceptions to Items (2) and (5) and substitute to read as follows: Where the building is provided with an approved automatic sprinkler system throughout, ENT is permitted to be used within walls, floors, and ceilings, exposed or concealed, in buildings exceeding three (3) stories. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-20; filed Aug 14, 2002, 4:20 p.m.: 26 IR 18*)

**675 IAC 17-1.6-21 Section 362.12; uses not permitted**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 21. In Item (7) under Uses not permitted, add 362.10(2) to the listed sections. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-21; filed Aug 14, 2002, 4:20 p.m.: 26 IR 18*)

**675 IAC 17-1.6-22 Section 525.5; overhead conductor clearances**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 22. Change Section 525.5(B) to read as follows: (B) Clearance to Rides and Attractions. Amusement rides and amusement attractions shall be maintained not less than 3.048 m (10 ft) in any direction from overhead conductors operating at 600 volts or less, except for the conductors supplying the amusement ride or attraction. Amusement rides or attractions shall not be located within 4.57 m (15 ft) horizontally of conductors operating in excess of 600 volts. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-22; filed Aug 14, 2002, 4:20 p.m.: 26 IR 19*)

**675 IAC 17-1.6-23 Section 547.1; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 23. Change Section 547.1 to read as follows: The provisions of this section shall apply to the following agricultural buildings or that part of a building or adjacent areas of similar or like nature as specified in (A) and (B) below, unless the building is not a Class 1 structure. Agricultural buildings that are not Class 1 structures may be regulated by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-23; filed Aug 14, 2002, 4:20 p.m.: 26 IR 19*)

**675 IAC 17-1.6-24 Section 550.25; arc-fault circuit-interrupter protection**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 24. Delete the text of Section 550.25(B), Bedrooms of Mobile Homes and Manufactured Homes, and substitute to read as follows: All branch circuits that supply 125-volt, single-phase, 15- and 20-ampere receptacle outlets installed in bedrooms of mobile homes and manufactured homes shall be protected by an arc-fault circuit-interrupter listed to provide protection of the entire

branch circuit. *(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-24; filed Aug 14, 2002, 4:20 p.m.: 26 IR 19)*

**675 IAC 17-1.6-25 Section 550.4; general requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 25. Section 550.4(B) is amended by adding a second sentence to read as follows: Modular homes, constructed under 675 IAC 15, Industrialized Building Systems, shall comply with the provisions of Article 545 of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-25; filed Aug 14, 2002, 4:20 p.m.: 26 IR 19)*

**675 IAC 17-1.6-26 Section 600.1; scope**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 26. Section 600.1 is amended to read as follows: This section covers the installation of conductors and equipment for electric signs and outline lighting as defined in Article 100 that are within or connected to Class 1 or Class 2 buildings or structures. *(Fire Prevention and Building Safety Commission; 675 IAC 17-1.6-26; filed Aug 14, 2002, 4:20 p.m.: 26 IR 19)*

**Rule 2. Indiana Safety Code for Health Care Facilities (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Oct 6, 1987, 3:00 pm: 11 IR 787)*

**Rule 3. Safety Code for Health Care Facilities (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**ARTICLE 18. MECHANICAL CODE**

**Rule 1. Indiana Mechanical Code (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989)*

**Rule 1.1. Indiana Mechanical Code, 1989 Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1992, 5:00 p.m.: 16 IR 62, eff Nov 1, 1992)*

**Rule 1.2. Indiana Mechanical Code, 1992 Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1754)*

**Rule 1.3. Indiana Mechanical Code, 1997 Edition (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967)*

**Rule 1.4. Indiana Mechanical Code, 2003 Edition**

**675 IAC 18-1.4-1 Adoption by reference; title; availability; scope; purpose**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. (a) That certain document being titled the 2000 International Mechanical Code, third printing, published by the International Code Council, 5203 Leesburg Pike, Suite 708, Falls Church, Virginia 22041-3401, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule.

(b) This rule is available for review and reference at the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-1; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2952)*

**675 IAC 18-1.4-2 Chapter 1; administration**

Authority: IC 22-13-2-2

Affected: IC 4-21.5; IC 4-22-7-7; IC 22-12-7; IC 22-13-2-7; IC 22-13-5; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. Delete Chapter 1 and substitute to read as follows:

Section 101 Application

101.1 Title

This rule shall be known as the Indiana Mechanical Code, 2003 edition and shall be published, except incorporated documents, by the fire and building services department, for general distribution and use under that title. Wherever the term “this code” is used throughout this rule, it shall mean the Indiana Mechanical Code, 2003 edition.

101.2 Scope and Purpose

(a) The scope and purpose of this code is to establish the minimum requirements for the following:

1. Construction, addition, alteration, erection, or assembly of any part of a Class 1 structure at the site where the structure will be used.
2. Installation of any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems for a Class 1 structure at the site where it will be used.
3. Work undertaken to alter, remodel, rehabilitate, or add to any part of a Class 1 structure.
4. Safeguarding life or property from the hazards of fire and explosion for Class 1 structures.
5. Fabrication of any part of a Class 1 industrialized building system for installation, assembly, or use at another site, except mobile structures.
6. Work undertaken to relocate any part of a Class 1 structure, except a mobile structure.
7. Assembly of a Class 1 industrialized building system that is not covered by subdivision 5, except mobile structures.

(b) Detached one (1) and two (2) family dwellings and townhouses not more than three (3) stories high and their accessory structures shall comply with the Indiana Residential Code, 675 IAC 14.

101.3 Appendices and Standards

Provisions in the appendices are not enforceable unless specifically adopted.

The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

EXCEPTION: Where enforcement of a code provision would violate the conditions of the listing, labeling, or manufacturer’s installation instructions of the equipment, engineered wood product, or appliance, the conditions of the listing, labeling, or manufacturer’s instructions shall apply.

101.4 Appeals and Interpretations

Appeals from orders issued by the fire prevention and building safety commission, the office of the state building commissioner or the office of the state fire marshal are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders by a local unit of government are governed by IC 22-13-2-7 and local ordinance. Upon the written request of an interested person who has a dispute with a county or municipal government concerning a building rule, the office of the state building commissioner may issue a written interpretation of a building law. The written interpretation as issued under IC 22-13-5 binds the interested person and the county or municipality with whom the interested person has the dispute until overruled in a proceeding under IC 4-21.5. A written interpretation of a building law binds all counties and municipalities if the office of the state building commissioner publishes the written interpretation of the building law in the Indiana Register under IC 4-22-7-7(b).

101.5 Plans

Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12) and the rules for Industrialized Building Systems (675 IAC 15).

101.6 Existing Construction

For existing Class 1 structures, see the General Administrative Rules (675 IAC 12) and local ordinance.

101.7 Additions and Alterations

Additions and alterations to any Class 1 structure shall conform to that required of a new structure without requiring the existing structure to comply with all the requirements of this code. Additions or alterations shall not cause an existing structure to

become unsafe (See the General Administrative Rules (675 IAC 12-4)).

101.8 Alternate Materials, Methods, and Equipment

Alternate materials, methods, equipment, and design shall be as required by the General Administrative Rules (675 IAC 12-6-11) and the rules for Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-2; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2952*)

**675 IAC 18-1.4-3 Chapter 2; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14-2-10; IC 22-15-2-7; IC 25-4; IC 25-31; IC 36-7-2-9; IC 36-8-17-9

Sec. 3. In Chapter 2, make the following changes: (a) Change the definition of APPLIANCE, EXISTING to read as follows: Any appliance regulated by this code which was legally installed prior to the effective date of this code.

(b) Change the definition of APPROVED to read as follows: APPROVED as to materials, equipment, design, and types of construction, acceptance by the code official by one (1) of the following methods:

- (1) investigation or tests conducted by recognized authorities; or
- (2) investigation or tests conducted by technical or scientific organizations; or
- (3) accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

(c) Delete the definition of BASE FLOOD ELEVATION.

(d) Delete the definition of CODE.

(e) Change the definition of CODE OFFICIAL to read as follows: CODE OFFICIAL. The office of the state building commissioner as authorized under IC 22-15-2-7; the office of the state fire marshal as authorized under IC 22-14-2-10; the local building official as authorized under IC 36-7-2-9 and local ordinance; the fire department as authorized under IC 36-8-17-9.

(f) Change the definition of COMMERCIAL FOOD HEAT-PROCESSING APPLIANCES to read as follows: Appliances used in commercial cooking operations, and which produce grease vapors, steam fumes, smoke, or odors that are required to be removed through a local exhaust ventilation system.

(g) Delete the definition of COMPENSATING HOODS.

(h) Delete the definition of CONSTRUCTION DOCUMENTS and substitute as follows: Documents required to obtain a design release in accordance with the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15).

(i) Change the definition of EQUIPMENT, EXISTING to read as follows: Any equipment regulated by this code which was legally installed prior to the effective date of this code.

(j) Add the definition for FIRE PREVENTION CODE to read as follows: FIRE PREVENTION CODE. Refer to the INDIANA BUILDING CODE (675 IAC 13) and the INDIANA FIRE CODE (675 IAC 22).

(k) Delete the definition of FLOOD ZONES.

(l) Delete the definition of HOOD and substitute to read as follows: See Section 506 of this code.

(m) Change the definition of IMMEDIATELY DANGEROUS TO LIFE OR HEALTH (IDLH) to read as follows: The concentration of airborne contaminants that poses a threat of death, immediate or delayed permanent adverse health effects, or effects that could prevent escape from such an environment.

(n) Add the following definitions after the definition of INDIRECT REFRIGERATION SYSTEM and before the definition of JOINT, FLANGED:

(1) ICC ELECTRICAL CODE means the INDIANA ELECTRICAL CODE (675 IAC 17).

(2) ICC BUILDING CODE means the INDIANA BUILDING CODE (675 IAC 13).

(3) INTERNATIONAL BUILDING CODE refers to the INDIANA BUILDING CODE (675 IAC 13).

(4) INTERNATIONAL FIRE CODE refers to the INDIANA FIRE CODE (675 IAC 22).

(5) INTERNATIONAL FUEL GAS CODE refers to the INDIANA FULES *[sic.]* GAS CODE (675 IAC 25).

(6) INTERNATIONAL ENERGY CONSERVATION CODE refers to the INDIANA ENERGY CONSERVATION CODE (675 IAC 19).

(7) INTERNATIONAL PLUMBING CODE refers to the INDIANA PLUMBING CODE (675 16 *[sic.]*, 675 IAC 16]).

(o) Delete the definition of LABELED and substitute to read as follows: Equipment, devices, appliances, or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(p) Delete the definition of LISTED and substitute to read as follows: Equipment, appliances, devices, or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriated standards or has been tested and found suitable for use in a specified manner.

(q) Change the definition of REGISTERED DESIGN PROFESSIONAL to read as follows: An architect or professional engineer who is registered under IC 25-4 or IC 25-31. If a registered design professional is not required by the General Administrative Rules (675 IAC 12-6) or the rules for Industrialized Building Systems (675 IAC 15), then it means the owner. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-3; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2953)*

**675 IAC 18-1.4-4 Section 301.2; energy utilization**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. In Section 301.2 Energy utilization, delete “all structures” and insert “all Class I structures”. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-4; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954)*

**675 IAC 18-1.4-5 Section 301.4; listed and labeled**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 5. In Section 301.4 Listed and labeled, delete “in accordance with Section 105”. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-5; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954)*

**675 IAC 18-1.4-6 Section 301.5; labeling**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 6. Delete Section 301.5 Labeling. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-6; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954)*

**675 IAC 18-1.4-7 Section 301.6; information**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 7. In Item 4 of Section 301.6 Information, delete “approval” and insert “acceptance”. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-7; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954)*

**675 IAC 18-1.4-8 Section 301.13; flood hazard**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 8. Delete Section 301.13 Flood hazard and substitute “See local ordinance”. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-8; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954)*

**675 IAC 18-1.4-9 Section 301.15; rodent proofing**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 9. Delete Section 301.15 Rodent proofing. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-9; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954*)

**675 IAC 18-1.4-10 Section 304.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 10. Change Section 304.1 General to read as follows: Equipment and appliances shall be installed in accordance with the conditions of the listing, the manufacturer's installation instructions, and this code unless otherwise approved. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-10; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954*)

**675 IAC 18-1.4-11 Section 304.4; public garages**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 11. In Section 304.4, delete "service station" and insert "motor fuel dispensing facilities". (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-11; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954*)

**675 IAC 18-1.4-12 Section 401.4; exists**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 12. Change Item 3 in Section 401.4 Exits as follows: Add the words "by the Indiana Building Code (675 IAC 13)" to item 3 of this section following the words "as required". (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-12; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2954*)

**675 IAC 18-1.4-13 Section 401.7; contaminant sources**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 13. Delete Section 401.7 Contaminant sources. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-13; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2955*)

**675 IAC 18-1.4-14 Section 406.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 14. Delete Section 406.1 General and insert the following: Uninhabited spaces, such as crawl spaces and attics, shall be provided with natural ventilation openings as required by the Indiana Building Code (675 IAC 13). (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-14; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2955*)

**675 IAC 18-1.4-15 Section 501.1; scope**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 15. Change Section 501.1 Scope to read as follows: This chapter shall govern the design, construction, and installation

of mechanical exhaust systems within the scope of Section 101.2, including dust stock and refuse conveyor systems and exhaust systems serving appliances used in commercial food processing establishments. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-15; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2955)*

**675 IAC 18-1.4-16 Section 501.2; independent systems required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 16. Change Section 501.2 Independent system required to read as follows: Single or combined mechanical exhaust systems from bath, toilet, urinal, locker, service sink closets, and similar rooms shall be independent of all other systems. Type I exhaust systems shall be independent of all other exhaust systems, single or combined. Type II exhaust systems for food-processing operations shall be independent of all other exhaust systems. Kitchen exhaust systems shall be constructed in accordance with Section 505 for domestic equipment and Section 506 for commercial equipment. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-16; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2955)*

**675 IAC 18-1.4-17 Section 501.3; outdoor discharge**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 17. Delete Section 501.3 Outdoor discharge and insert the following: The air removed by every mechanical exhaust system shall discharge to the atmosphere. The termination point for exhaust ducts discharging to the atmosphere shall be not less than the following:

- (1) Ducts conveying explosive or flammable vapors, fumes, or dusts: thirty (30) feet from property line; ten (10) feet from openings into the building; six (6) feet from exterior walls or roofs; thirty (30) feet from combustible walls or openings into the building which are in the direction of the exhaust discharge; or ten (10) feet above adjoining grade.
- (2) Other product-conveying outlets; ten (10) feet from property line; three (3) feet from exterior wall or roof; ten (10) feet from openings into the building; or ten (10) feet above adjoining grade.
- (3) Environmental air duct exhaust: three (3) feet from property line; or three (3) feet from openings into the building.

Air shall not be exhausted into an attic or crawl space. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-17; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2955)*

**675 IAC 18-1.4-18 Section 501.4; pressure equalization**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 18. Delete Section 501.4 Pressure equalization and insert the following: Mechanical exhaust systems shall be sized to remove the quantity of the air required by this code. The system shall operate when air is required to be exhausted. Where mechanical exhaust is required in a room or space in other occupancies in Use Group R-2 and R-3 as defined by the Indiana Building Code (675 IAC 13), such space shall be maintained with a neutral or negative pressure. If a greater quantity of air is supplied by a mechanical ventilating supply system that is removed by a mechanical exhaust system from a room, an approved means shall be provided for the natural exit of the excess air supplied. If only a mechanical exhaust system is installed for a room or if a greater quantity of air is removed by a mechanical exhaust system, than is supplied by a mechanical ventilating supply system for a room, an approved means shall be provided for the natural supply of the deficiency in the air supplied. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-18; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2955)*

**675 IAC 18-1.4-19 Section 502.8.11; silane gas**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 19. Change the third line of Section 502.8.11 Silane gas to read as follows: “ing the maximum allowable quantities per

control area as required by the Indiana Building Code (675 IAC 13) shall". (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-19; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2955*)

**675 IAC 18-1.4-20 Section 502.9.1; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 20. Delete the second sentence of Item 1 in Section 502.9.1 Where required. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-20; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2956*)

**675 IAC 18-1.4-21 Section 502.15.1; design**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 21. Change Section 502.15.1 Design as follows: Revise the fifth line of Item 1 to read: "twenty-five (25) percent of the LFL. In all cases, the sys-". (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-21; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2956*)

**675 IAC 18-1.4-22 Section 506, Section 507, Section 508, and Section 509; commercial kitchen grease ducts and exhaust equipment, commercial kitchen hoods, commercial kitchen makeup air, and fire suppression systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 22. Delete Section 506 Commercial kitchen grease ducts and exhaust equipment; Section 507 Commercial kitchen hoods; Section 508 Commercial kitchen makeup air; and Section 509 Fire suppression systems and insert the following: 506.1.1 For the purposes of this section, the following definitions shall apply:

\*AIR POLLUTION CONTROL DEVICES. Equipment and devices used for the purpose of cleaning air passing through or by them in such a manner as to reduce or remove the impurities contained therein.\*

\*COMBUSTIBLE MATERIAL. Material subject to increase in combustibility or flame spread rating beyond the limits established in the definition of limited-combustible.

CONTINUOUS EXTERNAL WELD. A metal joining method without interruption as related to visibility and quality, located on the outside of the surfaces that directly contain and/or convey the grease-laden vapors of the cooking process(es). For the purpose of this definition, it specifically includes the exhaust compartment of hoods and welded joints of exhaust ducts, yet specifically does not include filter support frames or appendages inside hoods.

DAMPER. A valve or plate within a duct or its terminal components for controlling draft or the flow of gases, including air.

DUCTS (or Duct System). A continuous passageway for the transmission of air and vapors that, in addition to the containment components themselves, may include duct fittings, dampers, plenums, and/or other items or air handling equipment.

FUME INCINERATORS. Devices utilizing intense heat or fire to break down and/or oxidize vapors and odors contained in gases or air being exhausted into the atmosphere.

GREASE. Rendered animal fat, vegetable shortening, and other such oily matter used for the purposes of and resulting from cooking and/or preparing foods. Grease may be liberated and entrained with exhaust air or may be visible as a liquid or solid.

GREASE DUCTS. A containment system for the transportation of air and grease vapors, designed and installed to reduce the possibility of the accumulation of combustible condensation and the occurrence of damage should a fire occur within the system.

GREASE FILTER. A component of the grease vapor removal system that deflects the air and vapors passing through it in a manner that causes the grease vapor concentration and/or condensation for the purpose of collection, leaving the exiting air with a lower amount of combustible matter.

GREASE REMOVAL DEVICES. Other components of the grease and vapor removal system that do not fit the definition of grease filter yet are designed, installed, and perform by removing vapor suspended grease particles from the exhaust

air/vapor stream or are designed to assist other devices in the removal of such vapors or particles.

**GREASETIGHT.** Constructed and performing in such a manner as not to permit the passage of any grease under normal cooking conditions.\*

**HOOD** is an air-intake device connected to a mechanical exhaust system for collecting and removing grease, vapors, fumes, smoke, steam, heat, or odors from commercial food heat-processing equipment.

**TYPE I HOOD** is a kitchen hood for collecting and removing grease and smoke.

**TYPE II HOOD** is a general kitchen hood for collecting and removing steam, vapor, heat, or odors.

**CANOPY HOOD** means a hood located above the cooking equipment it serves and which overhangs equipment on all open sides.

**COMPENSATING HOOD** is a hood that has an outside air supply with air delivered below or within the hood. When makeup air is diffused directly into the exhaust within the hood cavity, it becomes a short-circuit hood.

**\*LABELED.** Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

**LIMITED-COMBUSTIBLE.** As applied to a building construction material, a material, not complying with the definition of noncombustible material, that, in the form in which it is used, has a potential heat value not exceeding three thousand five hundred (3,500) BTU per pound and complies with one (1) of the following paragraphs (a) or (b). Materials subject to increase in combustibility or flame spread rating beyond the limits herein established through the effects of age, moisture, or other atmospheric condition shall be considered combustible.

(a) Materials having a structural base of noncombustible material, with a surfacing not exceeding a thickness of one-eighth ( $\frac{1}{8}$ ) inch, which has a flame spread rating not greater than fifty (50).

(b) Materials, in the form and thickness used, other than as described in (a), having neither a flame spread rating greater than twenty-five (25) nor evidence of continued progressive combustion and of such composition that surfaces that would be exposed by cutting through the material on any plane would have neither a flame spread rating greater than twenty-five (25) nor evidence of continued progressive combustion.

**LIQUIDTIGHT.** Constructed and performing in such a manner as not to permit the passage of any liquid at any temperature.

**NONCOMBUSTIBLE MATERIAL.** A material that, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat.\*

**MAKEUP AIR.** Air supplied to the room where the hood is located approximately equal to the amount of air exhausted.

**\*THERMAL RECOVERY UNIT.** A device or series of devices whose purpose is to reclaim only the heat content of air, vapors, gases, and/or fluids that were being expelled through the exhaust system and to transfer the thermal energy so reclaimed to a location whereby a useful purpose may be served.\*

#### 506.2 General requirements for hoods

506.2.1 **Type I Hoods.** Commercial food heat-processing appliances used in a process that produce smoke or grease-laden vapors shall be equipped with an exhaust system complying with Type I Hood requirements.

506.2.2 **Type II Hoods.** Commercial food heat-processing appliances producing steam or heat that does not generate smoke or grease-laden vapors, such as dishwashing machines, shall be equipped with an exhaust system complying with Type II Hood requirements.

506.2.3 **Solid Fuel.** All commercial food heat-processing appliances using solid fuel shall be served by a separate exhaust system that complies with Type I Hood requirements.

506.2.4 **Alteration, Replacement, Relocation.** Notification in writing shall be given to the code official of any alteration, replacement, or relocation of any exhaust system equipment, exhaust system, extinguishing equipment, or any part thereof.

506.2.5 **Alternates.** Alternate materials, methods, and design shall be in accordance with the General Administrative Rules, 675 IAC 12-6-11.

#### 506.3 Type I exhaust hood construction

506.3.1 **\*Materials.** The hood or that portion of a primary collection means designed for collecting cooking vapors and residues shall be constructed of and be supported by steel not less than forty-three thousandths (0.043) inch (No. 18 Mean Steel Gage) or stainless steel not less than thirty-seven thousandths (0.037) inch (No. 20 Mean Steel Gage) in thickness, or of other approved materials of equivalent strength, fire resistance, and corrosion resistance.\* Hoods of copper shall be of copper sheets weighing at least twenty-four (24) ounces per square foot.

506.3.2 Painting or Coating. Surfaces that come into contact with food, and surfaces from which food may drain, drip, or be subjected to splash, spillage, or other food soiling shall:

- (1) not impart toxic substances, odor, color, or taste to food;
- (2) be smooth and cleanable;
- (3) be corrosion-resistant with a material that is noncracking and nondripping; and
- (4) not be coated with a lead based coating.

506.3.3 Seams, Joints. All seams, joints, and penetrations of the hood enclosure that directs and captures grease-laden vapors and exhaust gases to its lower outermost perimeter of the entire hood assembly shall have a liquidtight continuous external weld or be sealed by labeled devices. Internal hood joints, seams, filter support frames, and appendages attached inside the hood need not be welded but shall be sealed or otherwise be made greasetight. All materials used to seal interior joints shall be labeled.

506.3.4 Insulation. Insulation materials other than electrical insulation shall be identified as having a flame spread rating of twenty-five (25) or less when tested in accordance with ASTM E84.

506.3.5 Hood Size and Location. For canopy type hoods, the inside edge of the hood shall overhang or extend a horizontal distance of not less than six (6) inches beyond the edge of the cooking surface on all exposed sides, and the vertical distance between the lip of the hood and the cooking surface shall not exceed four (4) feet.

Hoods of the noncanopy or backshelf types shall be located a maximum of three (3) feet above the cooking surface. The inside edge of the hood shall overhang or extend a horizontal distance of not less than three (3) inches beyond the edge of the cooking surface on exposed ends. The front edge of the hood shall be set back a maximum of twelve (12) inches from the edge of the cooking surface.

506.3.6 Labeled Hoods. Labeled hood assemblies shall be considered as complying with this chapter and shall be installed in accordance with the conditions of labeling and the manufacturer's instructions.

506.4 Exhaust hood assemblies with integrated supply air plenums

506.4.1 General. The construction and size of the hood shall comply with the requirements of subsection 506.3.

506.4.2 \*Supply Fire Dampers. A fire damper shall be installed in the supply air plenum at each point where a supply air duct inlet or a supply air outlet penetrates the continuously welded shell of the assembly. The damper shall be constructed of at least the same gage as the shell. The actuation device of the damper shall have a maximum rating of two hundred eighty-six degrees Fahrenheit (286EF). Supply air plenums that discharge air from their face rather than from the bottom or into the exhaust hood and that are isolated from the exhaust hood by the continuously welded shell extending to the lower outermost perimeter of the entire hood assembly do not require a fire damper.\*

506.4.3 Exhaust Fire Dampers. Fire dampers shall not be installed in an exhaust hood assembly.

EXCEPTION: Labeled hood assemblies with exhaust dampers shall be permitted.

506.4.4 Labeled Hood Assemblies. Labeled hood assemblies shall be installed in accordance with the conditions of the labeling and the manufacturer's instructions.

506.5 Grease removal devices in hoods

506.5.1 \*Grease Removal Devices. Labeled grease filters, baffles, or other approved grease removal devices for use with commercial cooking equipment shall be provided for Type I hoods. Mesh filters shall not be used.

506.5.2 Installations. The distance between the grease removal device and the cooking surface shall be as great as possible. Where grease removal devices are used in conjunction with charcoal or charcoal-type broilers, including gas or electrically heated charbroilers, a minimum vertical distance of four (4) feet shall be maintained between the lower edge of the grease removal device and the cooking surface.

EXCEPTIONS: 1. Grease removal devices supplied as part of labeled hood assemblies shall be installed in accordance with the terms of the labeling and the manufacturer's instructions.

2. For cooking equipment without exposed flame and where fire gases bypass grease removal devices, the minimum vertical distance may be reduced to not less than six (6) inches.\*

506.5.3 Protection. Grease removal devices shall be protected from combustion gas outlets and from direct flame impingement where the distance between the grease removal device and the appliance flue outlet (heat source) is less than eighteen (18) inches. This protection may be accomplished by the installation of a steel or stainless steel baffle plate between the heat source and the grease removal device. The baffle plate shall be so sized and located that flames or combustion gases must travel a distance not less than eighteen (18) inches from the heat source to the grease removal device.

EXCEPTION: See Exceptions No. 1 and No. 2 to subsection 506.5.2.

506.5.4 \*Filters. Filters shall be tight-fitting and firmly held in place and shall be readily accessible and removable for cleaning. Filters shall be installed at an angle not less than forty-five (45) degrees from the horizontal. Filters shall be equipped with a drip tray beneath the lower edge of the filters. The tray shall be kept to the minimum size needed to collect the grease and be pitched to drain to an enclosed metal container having a capacity not exceeding one (1) gallon.\*

506.6 Type II exhaust hood construction

506.6.1 Materials. Type II hoods shall be constructed of galvanized steel, stainless steel, copper, twenty-four thousandths (0.024) inch (No. 24 gage) steel, or other approved material.

Hoods constructed of copper shall be of copper sheets weighing at least twenty-four (24) ounces per square foot. Hoods constructed of stainless steel shall have a minimum thickness of thirty-thousandths (0.030) inch.

506.6.2 Fabrication and Installation. Hoods shall be secured in place by noncombustible supports. Joints and seams shall be substantially tight. Solder shall not be used except for sealing a joint or seam.

506.6.3 Painting and Coating. Surfaces that come into contact with food, and surfaces from which food may drain, drip, or be subjected to splash, spillage, or other food soiling shall:

- (1) not impart toxic substances, odor, color, or taste to food;
- (2) be smooth and cleanable;
- (3) be corrosion-resistant with a material that is noncracking and nondripping; and
- (4) not be coated with a lead based coating.

506.6.4 Hood size and location. For canopy type hoods, the inside edge of the hood shall overhang or extend a horizontal distance of not less than six (6) inches beyond the edge of the cooking surface or equipment served on all exposed sides, and the vertical distance between the lip of the hood and the cooking surface or equipment served shall not exceed four (4) feet. Hoods of noncanopy or backshelf types shall be located a maximum of three (3) feet above the cooking surface or equipment served. The inside edge of the hood shall overhang or extend a horizontal distance of not less than three (3) inches beyond the edge of the cooking surface or equipment served on exposed ends. The front edge of the hood shall be set back a maximum of twelve (12) inches from the edge of the cooking surface or equipment served.

506.7 Air movement

506.7.1 Makeup Air. Each room provided with an exhaust system required by this chapter shall have filtered air supplied to the room approximately equal to the amount of air to be exhausted and shall be adequate to prevent a negative pressure in the commercial cooking areas from exceeding two-hundredths (0.02) inch of water column. Windows and doors shall not be used for the purpose of supplying makeup air.

The makeup air shall not reduce the temperature of the occupied space to less than sixty-five degrees Fahrenheit (65EF) at five (5) feet above the floor throughout the room.

506.7.2 Compensating Hoods. Compensating hoods shall extract at least fifty percent (50%) of the required air flow from the kitchen area.

EXCEPTION: Labeled hoods that are installed in accordance with the conditions of the labeling and the manufacturer's instructions.

506.7.3 Capacity of Canopy Hoods. Canopy-type cooking hoods shall exhaust through the hood a minimum quantity of air determined by application of the formulas in items 1 through 4 below:

- WHERE:
- A = the horizontal surface area of the hood, in square feet.
  - P = that part of the perimeter of the hood that is open, in feet.
  - D = distance in feet between the lower lip of the hood and the cooking surface.
  - Q = quantity of air, in cubic feet per minute.

When cooking equipment is installed back-to-back and is covered by a common island-type hood, the airflow required may be calculated using the formula for three (3) sides exposed. When all appliances are electric, the airflow required may be reduced to eighty percent (80%) of the formula value. Type II hood airflow requirements shall be in accordance with item 4 below:

1. Type I hoods for use over charcoal and other solid-fuel charbroilers shall be provided with separate exhaust systems. Undefined cooking equipment other than charcoal and solid-fuel charbroilers may be installed under a common hood. The minimum airflow for charcoal, solid-fuel, and grease-burning charbroilers and undefined equipment shall be:

Number of Exposed Sides	Formula
4 (island or central hood)	$Q = 300A$
3 or less	$Q = 200A$
Alternate formula	$Q = 100PD$

2. Type I hoods when the cooking equipment includes appliances such as deep-fat fryers:

Number of Exposed Sides	Formula
4 (island or central hood)	$Q = 150A$
3 or less	$Q = 100A$
Alternate formula	$Q = 100PD$

3. Type I hoods where the cooking equipment includes appliances such as rotisseries, grills, and ranges:

Number of Exposed Sides	Formula
4 (island or central hood)	$Q = 100A$
3 or less	$Q = 75A$
Alternate formula	$Q = 50PD$

4. Type I hoods where the cooking equipment includes appliances such as ranges, roasters, roasting ovens, pastry ovens, and equipment approved for use under a Type II hood, such as pizza ovens. Solid-fuel ovens shall be provided with separate exhaust systems:

Number of Exposed Sides	Formula
4 (island or central hood)	$Q = 75A$
3 or less	$Q = 50A$
Alternate formula	$Q = 50PD$

EXCEPTION: Labeled exhaust hoods are to be installed in accordance with the conditions of labeling and the manufacturer's instructions.

506.7.4 Capacity of Noncanopy Hoods. In addition to all other requirements for hoods specified in this section, the volume of air exhausting through noncanopy-type hoods to the duct system shall be not less than three hundred (300) cubic feet per minute per lineal foot of hood.

EXCEPTION: Labeled exhaust hoods installed in accordance with the conditions of labeling and the manufacturer's instructions.

506.7.5 Exhaust Duct Velocity. The exhaust velocity for duct systems serving Type I hoods shall not be less than one thousand five hundred (1,500) cubic feet per minute.

506.8 Duct systems

506.8.1 Materials. Grease ducts and plenums serving a Type I hood shall be constructed of at least fifty-five thousandths (0.055) inch thick (No. 16 manufacturer's standard gage) steel or stainless steel at least forty-four thousandths (0.044) inch in thickness.

EXCEPTION: Labeled grease ducts installed in accordance with the conditions of labeling and the manufacturer's recommendations.

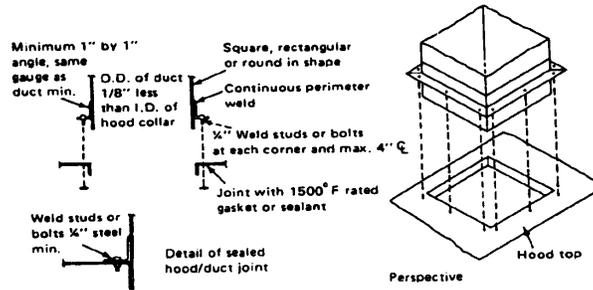
Ducts and plenums serving Type II hoods shall be constructed of rigid metallic materials as set forth in Chapter 6. Duct bracing and supports shall comply with Chapter 6. Ducts subject to positive pressure shall be sealed.

506.8.2 Seams and Joints. Seams and joints shall be made with a continuous liquidtight weld or braze made on the external surface of the duct system.

EXCEPTIONS: 1. Labeled grease ducts installed in accordance with the conditions of the label and manufacturer's recommendations.

2. Penetrations sealed by labeled devices.

3. Duct to hood collar connections as shown below in Figure 506.8 shall be permitted.



When a centrifugal fan with bottom horizontal discharge is located outside the building, a duct or duct fitting that diverts the discharge from the grease exhaust duct system in an upward direction may be connected to the fan outlet, provided the following conditions are met:

1. The duct or duct fitting shall be constructed of metal as set forth in Chapter 6 of this code.
2. The maximum total developed length of the duct or duct fitting measured along the center line shall not exceed three (3) times the vertical dimension of the fan outlet.
3. The duct or duct fitting shall be provided with openings at the lowest point to permit drainage of grease to an approved collection device that is provided with ready access.

506.8.3 Construction. Ducts exposed to the outside atmosphere or subject to a corrosive environment shall be protected against corrosion by galvanization of metal parts, protection with noncorrosive paints, waterproof insulation, or other approved methods of protection.

506.8.4 Openings. Openings for installation, servicing, and inspection of labeled fire protection system devices and duct cleaning shall be provided in ducts and enclosures. Shaft enclosure openings required to reach access panels in the ductwork shall be large enough for removal of the access panel.

Openings for installation, servicing, and inspection shall be provided at the sides or at the top of the duct, whichever is more accessible, and at changes of direction.

EXCEPTION: Portions of the duct that are accessible from the duct entry or discharge.

\*For labeled hoods with dampers in the exhaust collar, an access panel for cleaning and inspections shall be provided in the duct or the hood collar. This panel shall be as close to the hood as possible but not to exceed eighteen (18) inches.

Exhaust fans with ductwork connected to both sides shall have access for cleaning and inspection within three (3) feet on each side of the fan.

Openings shall conform to the following:

1. On horizontal ducts at least one (1) twenty by twenty (20 × 20) inch opening shall be provided for personnel entry. Where an opening of this size is not possible, openings large enough to permit cleaning to bare metal shall be provided at a maximum of twelve (12) foot intervals.
2. In horizontal sections, the lower edge of the opening shall be not less than one and one-half (1½) inches from the bottom of the duct.
3. On vertical ductwork where personnel entry is possible, access shall be provided at the top of the vertical riser to accommodate descent. Where personnel entry is not possible, access for cleaning shall be provided on each floor.
4. Access panels shall be of the same material and thickness as the duct. Access panels shall have a gasket or sealant that is rated for one thousand five hundred degrees Fahrenheit (1,500EF) and shall be greasetight. Fasteners used to secure the access panels, such as bolts, weld studs, latches, or wing nuts, shall be carbon steel or stainless steel and shall not penetrate duct walls.

EXCEPTION: Labeled grease duct access door assemblies (access panels) shall be installed in accordance with the conditions of labeling and the manufacturer’s instructions.

5. Openings for installation, servicing, and inspection of labeled fire protection system devices and duct cleaning shall

be provided in ducts and enclosures.

506.8.5 Access. A sign shall be placed on all access panels stating:

ACCESS PANEL—DO NOT OBSTRUCT\*

506.8.6 Exhaust Dampers. Exhaust dampers shall not be installed in exhaust duct systems.

EXCEPTION: Exhaust fire dampers shall be permitted if labeled and installed in accordance with the conditions of labeling and the manufacturer's instructions.

506.9 Duct installation

506.9.1 Bracing and Supports. Duct bracing and supports shall be of noncombustible material securely attached to the supporting structure and designed to carry gravity and lateral loads within the stress limitations of the building code. Bolts, screws, rivets, and other mechanical fasteners shall not penetrate duct walls.

506.9.2 Prevention of Grease Accumulation. Duct systems serving a Type I hood shall be so constructed and installed that grease cannot become pocketed in any portion thereof, and the system shall slope not less than one-fourth (¼) inch per lineal foot toward the hood or toward an approved grease reservoir. Where horizontal ducts exceed seventy-five (75) feet in length, the slope shall be not less than one (1) inch per lineal foot. When a centrifugal fan is used, it shall be positioned so the discharge outlet is either vertical or bottom horizontal with the air so diverted that there will be no impingement on the roof, other equipment, or parts of the structure. A vertical discharge fan shall be manufactured with an approved drain outlet at the bottom of the housing to permit drainage of grease to an approved collection device that is provided with ready access.

506.9.3 Duct Enclosure. A grease duct serving a Type I hood which penetrates required fire-resistive construction shall be enclosed in a duct enclosure from the point of penetration. A duct shall only penetrate exterior walls at locations where unprotected openings are permitted by the building code. Duct enclosures shall be constructed as the building code requires shaft enclosures to be constructed, except that labeled duct enclosure systems conforming to the fire-resistive construction requirements of the building code for shafts shall be allowed. Duct enclosures shall be of at least one-hour fire-resistive construction and shall be of two-hour fire-resistive construction in Types I-A and II-A buildings, as defined in the building code.

EXCEPTION: Single story noncombustible construction where the duct does not penetrate fire-resistive construction. The duct enclosure shall be sealed around the duct at the point of penetration of fire-resistive construction and vented to the exterior through weather-protected openings. The enclosure shall be separated from the duct by at least three (3) inches and not more than twelve (12) inches and shall serve a single grease exhaust duct system, except that labeled duct enclosure systems conforming to the fire-resistive construction requirements of the building code for shafts shall be allowed.

506.9.4 Fire-Resistive Access Opening. When openings are located in ducts within a fire-resistive shaft or a duct enclosure, access openings shall be provided in the shaft or duct enclosure at each opening. These access openings shall be equipped with tight-fitting sliding or hinged self-closing fire rated doors which are equal in fire-resistive protection to that of the shaft or duct enclosure. These access openings required to reach access panels in the ductwork shall be large enough to allow removal of the access panels.

506.9.5 Duct System for Multiple Hoods. A separate grease duct system shall be provided for each Type I hood, except that a single duct system may serve more than one (1) hood of a single business located in the same story of a building, provided that all hoods served by the system shall be located in the same room or adjoining rooms; portions of the interconnecting ducts shall not pass through any construction which would require the opening to be protected as specified in the building code.

506.9.6 Wall Penetration. Ducts shall not pass through area separation walls.

506.9.7 \*Interconnection. Duct systems shall not be interconnected with any other building ventilating or exhaust system.

506.9.8 Termination of Exhaust Systems. The exhaust system shall terminate as follows:

1. Outside the building with a fan or duct; or
2. Through the roof or through a wall.

506.9.8.1 Rooftop terminations shall be as follows:

1. With a minimum of ten (10) feet of clearance from the outlet to adjacent buildings, property lines, and air intakes. Where space limitations absolutely prevent a ten (10) foot horizontal separation from an air intake, a vertical separation will be acceptable with the exhaust outlet being a minimum of three (3) feet above any air intake located within ten (10) feet horizontally.
2. With the exhaust flow directed up and away from the surface of the roof and a minimum of forty (40) inches above the roof surface.

3. With the ability to drain grease out of any traps or low points formed in the fan or duct near the termination of the system to a rainproof collection container or to a remote grease trap.
4. With a labeled grease duct; or
5. With a hinged up-discharge fan supplied with flexible weatherproof electrical cable and service hold-open retainer to permit proper inspection and cleaning and that is labeled for commercial cooking equipment, provided the ductwork extends a minimum of eighteen (18) inches above the roof surface, and the fan discharges a minimum of forty (40) inches above the roof surface.
6. With another approved fan, provided it conforms to subsections 506.9.8.1 item 2 and 506.9.8.1 item 3.
7. If exterior fans are located outside the roofline, they shall be provided with safe access and work surface for inspection and cleaning.

506.9.8.2 Wall Terminations. Wall terminations shall be as follows:

1. Through a noncombustible wall with a minimum of ten (10) foot of clearance from the outlet to adjacent buildings, property lines, grade level, combustible construction, electrical equipment or lines, and the closest point of any air intake at or below the plane of the exhaust termination. The closest point of any air intake above the plane of the exhaust termination shall be a minimum of ten (10) feet distant, plus twenty-five hundredths (0.25) foot per each one (1) degree from horizontal, the angle of degree being measured from the center of the exhaust termination to the center of the air intake.
2. With the exhaust flow directed perpendicularly outward from the wall face or upward.
3. With all the ductwork pitched to drain the grease back to the hood(s) or with a drain provided to bring the grease back to a container within the building or to a remote grease trap.
4. With a labeled grease duct.\*

506.10 Exhaust fans

506.10.1 \*Exhaust Fans for Commercial Cooking Equipment. Approved up-discharge fans with motors surrounded by the air stream shall be hinged, supplied with flexible weatherproof electrical cable and service hold-open retainers, and labeled for this use. Other exhaust fans for this use shall be approved for continuous operation. Both shall be installed to comply with the following requirements:

1. All wiring and electrical equipment shall comply with the Indiana Electrical Code, 675 IAC 17.
2. Means shall be provided for inspections, servicing, and cleaning.\*
3. Fans manufactured from steel shall be nonsparking.

506.10.2 \*Airflow. The air velocity through any duct shall be not less than one thousand five hundred (1,500) feet per minute. Exhaust air volumes for hoods shall be of sufficient level to provide for capture and removal of grease-laden cooking vapors. Test data or performance acceptable to the code official, or both, shall be provided, displayed, or both, upon request by the code official.

EXCEPTION: Lower exhaust air volumes shall be permitted during no-loading cooking conditions provided they are sufficient to capture and remove flue gases and residual vapors from cooking equipment.

506.10.3 Hood Fans. Hood exhaust fan(s) shall continue to operate after the extinguishing system has been activated unless fan shutdown is required by a labeled component of the ventilation system or by the design of the extinguishing system. It is not required to restart the hood exhaust fan when the extinguishing system is activated if the exhaust fan and all cooking equipment served by the fan had previously been shut down.\*

506.11 Electrical equipment

506.11.1. Motors, lights, and other electrical devices shall not be installed in hoods or located in the path of travel of exhaust products.

EXCEPTION: Where specifically labeled for such use and installed in accordance with the conditions of labeling.

\*Wiring or wiring systems shall not be installed in ducts.\* All electrical equipment shall be installed in accordance with the Indiana Electrical Code, 675 IAC 17.

506.12 Auxiliary equipment

506.12.1 \*Fume incinerators, thermal recovery units, air pollution control devices, or other devices shall be permitted to be installed in ducts or hoods or located in the path of travel of exhaust products when specifically approved under the General Administrative Rules, 675 IAC 12-6-11. The equipment shall not increase the fire hazard.\*

506.13 Clearance to combustibles

506.13.1 \*Hoods and ducts shall have a clearance of at least eighteen (18) inches to combustible material, three (3) inches to limited-combustible material, and zero (0) inches to noncombustible material. When these clearances cannot be maintained, one (1) of the following methods shall be used:

1. When the labeled hood, duct, or duct enclosure system is installed in accordance with the provisions of its labeling and the manufacturer's instructions for reduced clearance.
2. Duct enclosures in accordance with subsection 506.9.3.
3. Combustible material protected as follows:

Type of Protection	Clearance to Combustible Material
0.013-in. (28 gage) sheet metal spaced out 1 in. on noncombustible spacers.	9 in.
0.027-in. (22 gage) sheet metal on 1 in. mineral wool bats reinforced with wire mesh or equivalent spaced out 1 in. on noncombustible spacers.*	3 in.

506.14 Performance test

506.14.1 Upon completion and before final approval, if final approval is required by local ordinance, of the installation of a ventilation system serving commercial food heat-processing equipment, an air balance to verify the rate of exhaust and supply airflow shall be performed and documented.

506.15 Fire-extinguishing equipment

506.15.1 Approved fire-extinguishing equipment shall be provided for the protection of all Type I hoods. Portable fire extinguishers shall be provided in the kitchen for the protection of the cooking equipment.

506.15.2 Approved fire-extinguishing equipment shall be provided to protect cooking appliances, such as deep fat fryers, griddles, upright broilers, charbroilers, grease-burning charbroilers, range tops, and grills. Protection shall also be provided for the enclosed plenum space within the hood above the filters and in the exhaust ducts serving the hood.

506.15.3 See Section 903.2.14.2 of the Indiana Building Code.

506.16 Types of fire-extinguishing equipment

506.16.1 \*Types. Fire-extinguishing equipment shall include both fixed automatic fire-extinguishing systems and portable fire extinguishers.\*

506.16.2 System. The automatic fire-extinguishing system for commercial cooking systems shall be of a type recognized for protection of commercial cooking equipment and exhaust systems of the type and arrangement protected. Preengineered automatic dry- and wet-chemical extinguishing systems shall be tested in accordance with UL 300 and listed and labeled for the intended application. Other types of automatic fire-extinguishing systems shall be listed and labeled for specific use as protection for commercial cooking operations. The system shall be installed in accordance with this code, its listing and the manufacturer's installation instructions. Other automatic fixed pipe systems shall be of an approved design and shall be one (1) of the following types:

1. Automatic sprinkler system shall be designed and installed in accordance with National Fire Protection Association Standard 13 (675 IAC 13-1-8).
2. Water spray system shall be designed and installed in accordance with National Fire Protection Association Standard 13 and 15 (675 IAC 13-1-8 and 675 IAC 22-2.2-4).
3. Carbon dioxide, dry chemical, wet chemical extinguishing systems shall be designed and installed in accordance with National Fire Protection Association Standard 12, 17, 17A, and 2001 (675 IAC 13-1-5, 675 IAC 13-1-9.5, 675 IAC 13-1-9.6, and 675 IAC 13-1-28).

506.16.3 Dry Chemical Type. Alkaline dry chemical-type portable fire extinguishers shall be installed in the kitchen area for the protection of the cooking equipment. Extinguishers shall have a minimum rating of forty (40) B (sodium bicarbonate or potassium bicarbonate base) and shall be conspicuously located and readily accessible along exit paths from the area. The extinguishers shall be a minimum of ten (10) feet and maximum of twenty (20) feet from the cooking equipment. The top of the extinguishers shall be a maximum of five (5) feet above the floor and shall be protected from physical damage.

506.17 Design requirement for the fire extinguisher equipment

506.17.1 Chemical Systems. The chemical used in a system shall not be substituted for the required chemical unless the substitute is labeled for that particular system, and is recommended by the manufacturer of the equipment, and is approved. Systems shall be designed on the basis of the flow and extinguishing characteristics of a specific formulation of chemical. Chemical solutions of different formulations or manufacturer shall not be mixed. A nameplate shall be permanently affixed

to the control panel identifying the agent or agents labeled for use in the system.

506.17.2 Installation Instructions. The manufacturer's installation and maintenance manual shall be used to identify the system limitations and the applications for which chemical extinguishing systems shall be considered acceptable. Only labeled system components referenced or permitted in the manufacturer's installation and maintenance manual shall be installed as part of the system.

506.17.3 Container Location. Chemical containers and expellant gas assemblies shall be located within the minimum and maximum temperature range indicated in the manufacturer's installation and maintenance manual. Chemical containers and expellant gas assemblies shall not be located where they would be subjected to mechanical, chemical, or other damage.

Chemical containers and expellant gas assemblies shall be located where they are readily accessible for inspection. The top of chemical and expellant gas assemblies shall not be located more than eight (8) feet above the floor.

506.17.4 Material. Wherever "pipe" is used in this chapter, it shall be understood to also mean "tube". Pipe and fittings shall be of noncombustible material having physical and chemical characteristics compatible with the chemical solution. Pipe fittings shall be compatible with the piping materials and connection method.

506.17.5 Penetrations. Where pipe penetrates a duct or hood, the penetration shall have a liquidtight continuous external weld or shall be sealed by a labeled device.

506.17.6 Installation. Pipe and fittings shall be installed in accordance with the manufacturer's installation and maintenance manual. Pipe shall be reamed and cleaned before assembly. Pipe-thread compound or tape shall not be used in agent distribution pipe and fitting connections.

EXCEPTION: Pipe-thread tape shall be permitted when installed in accordance with the manufacturer's installation and maintenance manual.

506.17.7 Supports. The piping system shall be rigidly supported to prevent movement and shall be protected from mechanical or other damage.

506.17.8 Nozzles. Discharge nozzles shall be labeled for the purpose. All discharge nozzles shall be provided with caps or other suitable devices to prevent the entrance of grease, vapors, moisture, or other foreign materials into the piping. Nozzles shall be selected in accordance with the manufacturer's installation and maintenance manual.

506.18 Shutdown devices and signals

506.18.1 Operation. The operation of fire-extinguishing equipment other than wet chemical and water fire-extinguishing equipment shall automatically shut off all sources of fuel or power to all equipment requiring protection by that fire-extinguishing equipment. Any gas appliance not requiring protection but located under the same exhaust system shall also be shut off. All shutdown devices shall be considered integral parts of the fire-extinguishing equipment and shall function with the operation of the fire-extinguishing equipment. This equipment shall be of the type that requires manual resetting prior to fuel or power restoration. All reset devices shall have ready access.

Wet chemical and water fire-extinguishing equipment shall be provided with an automatic means to ensure the shutdown of fuel or power to the protected appliances and other appliances located under the exhaust system protected by the fire-extinguishing equipment upon the system activation.

506.18.2 Exhaust Fans. Exhaust fans shall continue to operate after the fire-extinguishing system has been activated. Supply air fans serving exhaust hood assemblies with integrated supply air plenums shall be shut off when the fire-extinguishing equipment is activated.

506.18.3 Alarms. The operation of any fire-extinguishing equipment applicable to this code shall be connected to any type of fire alarm system serving the building, when such alarm system is present. Power to operate the fire-extinguishing equipment shall be monitored by a supervisory alarm.

506.19 Manual activation of fire-extinguishing equipment

506.19.1 Fixed pipe automatic fire-extinguishing equipment shall be installed to conform with the following requirements:

1. An accessible manual activation device installed at an approved location not more than five (5) feet above the floor shall be provided for wet chemical, dry chemical, carbon dioxide, or other approved equipment. The activation device shall be either mechanical or electrically operated. If electrical power is used, the equipment shall be connected to standby power and a visual means shall be provided to show that the extinguishing equipment is energized.

EXCEPTION: An automatic sprinkler or water spray system shall not require manual activation.

2. Instructions for manually operating the fire-extinguishing equipment shall be posted at a location immediately adjacent to the manual activation device within the kitchen.

3. Automatic sprinkler or water spray systems shall be controlled by a separate readily accessible indicating type control valve that is identified.

506.20 Installation approval of fire-extinguishing equipment

506.20.1 The installer of the fire-extinguishing equipment shall document to the owner that the completed system has been installed in accordance with this code and the manufacturer's installation and maintenance manual. This documentation shall include testing in accordance with the manufacturer's installation and maintenance manual. This documentation shall include complete details of the tests performed. This documentation shall include a set of as-built drawings showing the equipment layout and the equipment type. It shall identify the cooking equipment protected and its location under the hood. This documentation shall be permanently maintained on-site. If this documentation is not maintained on-site, then a new test of the system shall be required. The tests performed by the installer shall include operation of mechanical and/or electrical actuation devices. Where distribution piping for fire-extinguishing equipment other than sprinkler or water spray type which cannot be visually inspected shall be air pressure tested to a pressure of not less than twenty (20) psi.

Sprinkler or water spray piping shall be hydrostatically tested where sprinkler or water spray piping is required.

After the test, the system shall be charged and placed in the normal operating condition in accordance with the manufacturer's installation and maintenance manual.

506.21 Maintenance of exhaust hood systems and fire-extinguishing equipment

506.21.1. Maintenance shall be in accordance with the Indiana Fire Code, 675 IAC 22.

506.22 Copyright

506.22.1. Portions of this rule are reprinted from NFPA 96-1991, Vapor Removal from Commercial Cooking Equipment, Copyright 1991, National Fire Protection Association, Quincy, Massachusetts 02269. Those portions are found at the following sections of this rule:

- 506.1
- 506.3
- 506.4
- 506.5
- 506.8
- 506.9
- 506.10
- 506.11
- 506.12
- 506.13
- 506.16

Asterisks in the text indicate the beginning and ending of each portion of NFPA 96-1991, which is incorporated verbatim. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-22; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2956*)

**675 IAC 18-1.4-23 Section 510.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 23. Change Section 510.1 General to read as follows: This section shall govern the design and construction of duct systems for hazardous exhaust that are within the scope of Section 101.2 and shall determine where such systems are required. Hazardous exhaust systems are systems designed to capture and control hazardous emissions generated from product handling or processes, and convey those emissions to the outdoors. Hazardous emissions include flammable vapors, gases, fumes, mists or dusts, and volatile or airborne materials posing a health hazard, such as toxic or corrosive materials. For the purposes of this section, the health-hazard rating of materials shall be as specified in NFPA 704. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-23; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2964*)

**675 IAC 18-1.4-24 Section 511.1; dust, stock and refuse conveying systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

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Sec. 24. Change Section 511.1 Dust, stock, and refuse conveying systems to read as follows: Dust, stock, and refuse conveying systems that are within the scope of Section 101.2 shall comply with the provisions of Section 510 and Sections 511.1 through 511.2. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-24; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2964)*

**675 IAC 18-1.4-25 Section 512.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 25. Change Section 512.1 General to read as follows: When a subslab soil exhaust system is provided and is within the scope of Section 101.2, the duct shall conform to the requirements of this section. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-25; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2964)*

**675 IAC 18-1.4-26 Section 513; smoke control systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 26. Delete Section 513 Smoke control systems and insert the following: See Section 909 of the Indiana Building Code (675 IAC 13). *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-26; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2965)*

**675 IAC 18-1.4-27 Section 603.3; metallic ducts**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 27. Change Section 603.3 Metallic ducts to read as follows:

603.3 Metallic ducts. All metallic ducts shall be constructed and sealed as specified in the SMACNA HVAC Duct Construction Standards—Metal and Flexible.

EXCEPTION: Ducts installed within single dwelling units shall have a minimum thickness as specified in TABLE 603.3.

603.3.1 Sealants. Ducts shall be sealed with sealants listed for that purpose, and the sealant shall comply with the flame spread and smoke developed requirement when required by the Indiana Building Code (675 IAC 13) and this code. Ducts shall be sealed in accordance with SMACNA HVAC Duct Construction Standards.

603.3.2 Support. All duct suspension and support systems for seismic loads shall comply with the Indiana Building Code (675 IAC 13) and as specified by a registered design professional.

TABLE 603.3

DUCT CONSTRUCTION MINIMUM SHEET METAL THICKNESSES FOR SINGLE DWELLING UNITS

DUCT SIZE	GALVANIZED STEEL		APPROXIMATE
	Minimum thickness (inches)	Equivalent galvanized Gage No.	ALUMINUM B&S GAGE
Round ducts and enclosed rectangular ducts			
14" or less	0.013	30	26
Over 14"	0.016	28	24
Exposed rectangular ducts			
14" or less	0.016	28	24
Over 14"	0.019	26	22

For SI: 1 inch = 25.4 mm.

*(Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-27; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2965)*

**675 IAC 18-1.4-28 Section 607.2.1; smoke control system**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 28. Change Section 607.2.1 Smoke control system as follows: Change “Section 512” to read “Section 909 of the Indiana Building Code (675 IAC 13)”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-28; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2965*)

**675 IAC 18-1.4-29 Section 607.3.2.1; smoke damper actuation methods**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 29. In Section 607.3.2.1 Smoke damper actuation methods, after “Section 907.10”, insert “of the Indiana Building Code (675 IAC 13)”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-29; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2965*)

**675 IAC 18-1.4-30 Section 607.5; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 30. Change Section 607.5 Where required to read as follows: Fire dampers, smoke dampers, combination fire/smoke dampers, and ceiling radiation dampers shall be provided at the locations prescribed in this section and the Indiana Building Code (675 IAC 13) and as shown on the construction drawings as prepared by the registered design professional. Where an assembly is required to have both fire dampers and smoke dampers, combination fire/smoke dampers, or a fire damper and a smoke damper shall be required. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-30; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2965*)

**675 IAC 18-1.4-31 Section 607.5.1; fire walls**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 31. Change Section 607.5.1 Fire walls to read as follows: Ducts and air transfer openings permitted in fire walls in accordance with Section 705.11 of the Indiana Building Code (675 IAC 13) shall be protected with approved fire dampers installed in accordance with their listing. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-31; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2965*)

**675 IAC 18-1.4-32 Section 607.5.2; fire barriers**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 32. Change item 2 in Section 607.5.2 Fire barriers to read as follows: 2. Ducts that are used as part of an approved smoke control system in accordance with Section 909 of the Indiana Building Code (675 IAC 13). (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-32; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2965*)

**675 IAC 18-1.4-33 Table 803.10.6; connector clearances to combustibles**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 33. In TABLE 803.10.6 CONNECTOR CLEARANCES TO COMBUSTIBLES, change, at the bottom of the MINIMUM CLEARANCE (inches) column, “(As determined by the code official)” to read “(as approved by the code official)”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-33; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-34 Section 804; direct-vent, integral vent, mechanical vent, and ventilation/exhaust venting**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 34. Change the title of Section 804 DIRECT-VENT, INTEGRAL VENT, MECHANICAL VENT, AND VENTILATION/EXHAUST VENTING to read as follows: DIRECT-VENT, INTEGRAL VENT, AND MECHANICAL DRAFT SYSTEMS. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-34; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-35 Section 901.1; scope**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 35. Change the last sentence of Section 901.1 Scope to read as follows: The approval, design, installation, construction, and alteration of gas-fired appliances that are within the scope of Section 101.2 shall be regulated by the Indiana Fuel Gas Code (675 IAC 25). (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-35; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-36 Section 914; sauna heaters**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 36. Change the title to Section 914 Sauna heaters to read as follows: Sauna heaters within the scope of Section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-36; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-37 Section 915.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 37. Change Section 915.1 General to read as follows: The installation of liquid-fueled stationary internal combustion engines and gas turbines, including storage and piping that are within the scope of Section 101.2, shall meet the requirements of NFPA 37 (675 IAC 13-1-27). (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-37; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-38 Section 916.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 38. Change Section 916.1 General to read as follows: Pool and spa heaters that are within the scope of Section 101.2 shall be installed in accordance with the manufacturer's instructions. Oil-fired pool heaters shall be tested in accordance with UL 726. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-38; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-39 Section 917.1; cooking appliances**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 39. Change the first sentence of Section 917.1 Cooking appliances to read as follows: Cooking appliances that are within the scope of Section 101.2 and that are designed for permanent installation and are part of a Class 1 structure shall be listed, labeled, and installed in accordance with the manufacturer's installation instructions. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-39; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-40 Section 923.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 40. Change the second line of Section 923.1 General to read as follows: “kilns that are within the scope of Section 101.2 and that are used for ceramics, have a maximum interior vol-...”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-40; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-41 Section 924.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 41. Change the first line of Section 924.1 General to read as follows: “Stationary fuel cell power plants that are within the scope of Section 101.2 and having a...”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-41; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-42 Section 1001.1; scope**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 42. Change Section 1001.1 Scope as follows:

(1) Change the first sentence of Section 1001.1 Scope to read as follows: This chapter shall govern the installation and alteration of boilers, water heaters, and pressure vessels that are within the scope of Section 101.2.

(2) Add Exception 8 to read as follows: 8. Boilers, water heaters, and pressure vessels regulated by the Boiler and Pressure Vessel Board (680 IAC) under IC 22-13-2-9 are not regulated by this code.

(*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-42; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2966*)

**675 IAC 18-1.4-43 Section 1003.3; welding**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 43. Change Section 1003.3 Welding by inserting “approved” before “nationally”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-43; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967*)

**675 IAC 18-1.4-44 Section 1101.6; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 44. Change Section 1101.6 General to read as follows: Refrigeration systems within the scope of Section 101.2 shall comply with the requirements of this code and, except as modified by this code, ASHRAE 15. Ammonia-refrigerating systems shall comply with this code and, except as modified by this code, ASHRAE 15. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-44; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967*)

**675 IAC 18-1.4-45 Section 1102.2.2; purity**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 45. Change Section 1102.2.2 Purity to read as follows: Refrigerants used in refrigeration systems shall be new, recovered, or reclaimed refrigerants in accordance with Section 1102.2.2.1, Section 1102.2.2.2, or Section 1102.2.2.3. The installer shall furnish to the owner or the owner’s representative, a signed declaration that the refrigerant used meets the requirements of Section

1102.2.2.1, Section 1102.2.2.2, or Section 1102.2.2.3. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-45; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967*)

**675 IAC 18-1.4-46 Section 1109.1; testing required**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 46. Change the third line of Section 1109.1 Testing required to read as follows: “manufacturer’s instructions and local ordinance...”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-46; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967*)

**675 IAC 18-1.4-47 Section 1206.9.1; flood hazard**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 47. Delete Section 1206.9.1 Flood hazard and insert “See local ordinance.”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-47; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967*)

**675 IAC 18-1.4-48 Section 1305.2.1; flood hazard**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 48. Delete Section 1305.2.1 Flood hazard and insert “See local ordinance.”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-48; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967*)

**675 IAC 18-1.4-49 Section 1401.1; scope**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 49. Change Section 1401.1 Scope to read as follows: This chapter shall govern the construction, installation, and alteration of systems, equipment, and appliances intended to utilize solar energy for space heating or cooling, or domestic hot water heating. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-49; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967*)

**675 IAC 18-1.4-50 Chapter 15; referenced standards**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 50. (a) Change in the third sentence of Chapter 15, “Section 102.8” to “Section 101.3”.

(b) Delete the following standards: NFPA 13-96, NFPA 37-98, NFPA 58-98, and NFPA 72-96. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.4-50; filed Apr 21, 2003, 9:00 a.m.: 26 IR 2967*)

**ARTICLE 19. ENERGY CONSERVATION CODES**

**Rule 1. Indiana Energy Conservation Code (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143*)

**Rule 2. Modifications to the Model Energy Code (Repealed)**

(*Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143*)

**Rule 3. Indiana Energy Conservation Code, 1992 Edition**

**675 IAC 19-3-1 Adoption by reference**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. That certain document, being titled the Model Energy Code, 1992 edition, published by the Council of American Building Officials, 5203 Leesburg Pike, Falls Church, Virginia 22041, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-1; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-2 Section 101.1; title; availability**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. (a) Delete section 101.1 and substitute the following: This rule shall be known as the Indiana Energy Conservation Code, 1992 Edition and shall be published, except incorporated documents, by the Fire and Building Services Department for general distribution and use under that title. Wherever the term "this code" is used throughout this rule, it shall mean the Indiana Energy Conservation Code, 1992 Edition.

(b) This rule and incorporated documents therein are available from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room E243, Indianapolis, Indiana 46204. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-2; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-3 Section 101.2; intent**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 3. Delete the last sentence in section 101.2. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-3; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-4 Section 101.3; scope**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. Change the second paragraph in SECTION 101.3 to read as follows: Class 1 structures, except townhouses, shall be designed to comply with the requirements of one (1) of the following: Chapter 4, Chapter 5, or Chapter 6. 675 IAC 19 is not applicable to Class 2 structures and townhouses. Class 2 structures and townhouses shall be designed to comply with 675 IAC 14, the Indiana Residential Code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-4; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Feb 23, 2004, 8:34 a.m.: 27 IR 2278)*

**675 IAC 19-3-5 Section 101.3.2.2; historic buildings**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 5. Delete section 101.3.2.2. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-5; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-6 Section 101.3.2.3; change of occupancy**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 6. Delete section 101.3.2.3. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-6; filed Dec 1, 1992, 5:00*

*p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-7 Section 102.2; maintenance information**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 7. Delete section 102.2. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-7; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-8 Section 103; alternate materials - methods of construction, design, or insulating systems**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13-2-11; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 8. Delete section 103 and substitute the following:

103.1 General: The provisions of this code are not intended to limit the appropriate use of materials, appliances, equipment or methods of design or construction not specifically prescribed by this code.

103.2 Class 1 Buildings or Structures: For Class 1 buildings or structures, alternate materials, methods of construction, design or insulating systems shall be as required by 675 IAC 12-6-11, the General Administrative Rules.

103.3 Class 2 Buildings or Structures: Proposed alternate materials, appliances, equipment or methods of design or construction shall be at least equivalent of that prescribed in this code in suitability, quality, strength, effectiveness, fire resistance, durability, dimensional stability, safety and sanitation.

The building official may require that evidence or proof be submitted to substantiate any claims that may be made regarding the proposed alternate.

103.4 Tests: Determination of equivalence shall be based on design or test methods or other such standards approved by such building official. The building official may accept as supporting data, to assist in this determination, duly authenticated reports from the Building Officials and Code Administrators International, Inc., Southern Building Code Congress International, Inc., International Conference of Building Officials, the National Evaluation Service Committee of the Council of American Building Officials, acceptance documents from the U. S. Department of Housing and Urban Development or from those specified in 675 IAC 12-6-11, the General Administrative Rules.

103.5 Variances: This section shall not authorize a variance from or modification of any rule of the commission except pursuant to the commission's variance authority provided for in IC 22-13-2-11.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-8; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-9 Section 104; plans and specifications**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 9. Delete section 104. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-9; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-10 Section 105; inspections**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 10. Delete section 105 and substitute the following: Any permit required by the local unit of government shall be obtained before beginning construction or alterations, using application forms furnished by the building official. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-10; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-11 Section 106; validity**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 11. Delete section 106. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-11; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-12 Section 201; general definitions**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 12. (a) Change the following definitions in section 201.1 to read as follows:

Building official means: (1) For Class 1 buildings or structures the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the Fire Prevention and Building Safety Commission; or

(2) For Class 2 buildings or structures it shall be an officer of a local unit of government as designated by local ordinance; or

(3) For Class 1 and 2 buildings or structures that are industrialized building systems under 675 IAC 15, Industrialized Building Systems, it shall be the state building commissioner.

Comfort envelope means the area on a psychrometric chart enclosing all of the conditions as identified in Figure No. 1 in Standard RS-4 listed in Chapter 7, as being comfortable.

Conditioned space means space within a building which is provided with heated and/or cooled air or surfaces and where required, with humidification or dehumidification means so as to be capable of maintaining a space condition falling within the comfort zone as identified in Standard RS-4 listed in Chapter 7.

Shading coefficient (SC):

$$SC = \frac{\text{Solar Heat Gain of Fenestration}}{\text{Solar Heat Gain of } 1/8'' \text{ clear glass}}$$

means the ratio of solar heat gain through fenestration, with or without integral shading devices, to that occurring through unshaded one-eighth (1/8) inch thick clear glass.

Note 1. For comparison under the same conditions. See Chapter 26 of Standard RS-1.

Note 2. Fenestration means windows, skylights and glazing in doors for one and two family detached dwellings.

(b) Add the following definitions in section 201.1 to read:

Annual Fuel Utilization Efficiency (AFUE): Means the total heating output of a furnace during its normal annual usage period, as measured using the United States Department of Energy test procedures divided by the total fuel input to the furnace in BTU's during the same period.

Approved: Means approval by the building official as the result of investigation and tests conducted by him, or by reason of accepted principles or tests by nationally recognized organizations.

Gross volume: Means the sum of the volumes of the several areas of the building, including basements, cellars, mezzanine and intermediate floored tiers, penthouses of headroom height, and attics measured from the outside faces of exterior walls or from the centerline of walls separating buildings, and from the lowest floor level to the roof peak. Covered walkways, open roofed-over areas, and open porches shall be excluded. The gross floor area does not include such features as pipe trenches, exterior terraces, steps, chimneys, etc.

Heat loss or gain: Means transfer of heat from or into a building expressed in BTU's per hour.

Heat pump: See the definition of unitary heat pump.

Heating Season Performance Factor (HSPF): Means the total heating output of a heat pump in BTU's during its normal annual usage period for heating divided by the total electric power in watt/hours during the same period.

R-value: Means resistance to heat flow ( $R=1/U$ ). See the definition of thermal resistance.

Seasonal Energy Efficiency Ratio (SEER): Means the total cooling output of an air conditioner in BTU's during its normal

annual usage period for cooling divided by the total electric power in watt/hours during the same period.

U-value: See the definition of thermal transmittance ( $U=1/R$ ).

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-12; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-13 Section 302.1; exterior design conditions**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 13. Change section 302.1 to read as follows: The outdoor design temperature may be selected from the columns of ninety-seven and one-half percent (97.5%) values for winter and two and one-half percent (2.5%) values for summer from the 1989 ASHRAE Handbook of Fundamentals for the specific locality listed therein, or selected from this generalized table. (See Figure No. 3-1)

	northern	central	southern
WINTER Design Dry-Bulb °F	1°	2°	9°
SUMMER Design Wet-Bulb °F	73°	74°	75°
SUMMER Design Dry-Bulb °F	89°	90°	93°
DEGREE DAYS HEATING	6300	5700	5000

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-13; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1128; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-14 Figure No. 3-1; design zones**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 14. Add Figure No. 3-1 to read as follows:

FIGURE NO. 3-1



(Fire Prevention and Building Safety Commission; 675 IAC 19-3-14; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 19-3-15 Section 302.2.1; indoor design temperature**

Authority: IC 22-13-2-2; IC 22-13-4-1  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 15. Change the exception in section 302.2.1 to read as follows:

Exception: Other design temperatures may be used providing that other building components are improved beyond the requirements of this code so that the energy consumption is less than or equal to the energy consumption which would result from conformance to the requirements of this section.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-15; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 19-3-16 Section 302.2.2; humidification**

Authority: IC 22-13-2-2; IC 22-13-4-1  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 16. (a) Change the last sentence in section 302.2.2 to read as follows: When comfort air conditioning is provided, the actual design relative humidity within the comfort envelope as defined in Standard RS-4 listed in Chapter 7 may be selected for minimum total HVAC system energy use.

(b) Add a second paragraph in section 302.2.2 to read as follows: Other special humidification designs may be used under section 103 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-16; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-17 Section 303.1; mechanical ventilation criteria**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 17. Delete section 303.1 and substitute the following: The specific ventilation values of 675 IAC 13, the Indiana Building Code, and 675 IAC 14, the Indiana One and Two Family Dwelling Code, shall be used for basic design. A reduction of up to thirty-three percent (33%) of the specified minimum outdoor air requirement in recirculating HVAC systems is permitted with a minimum of five (5) C.F.M. per person of outdoor air.

Outdoor air quantities other than those specified may be approved because of special occupancy or processing requirements (i.e., hospitals, schools, etc.), under section 103 of this code. If approved, such outdoor air quantities shall be used as the basis for calculating the heating and cooling design loads. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-17; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-18 Section 303.2; modified design conditions**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 18. Add section 303.2 to read as follows: Deviations from sections 302 and 303 of this code are permitted if the resulting heating and cooling loads are shown not to require the expenditure of additional energy. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-18; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-19 Section 402.3; analysis procedure**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 19. Change the last sentence in section 402.3 to read as follows: The calculation procedure shall be based upon 8,760 hours of operation of the building and its service systems and may utilize the design methods specified in Standards RS-1, RS-11, RS-12, and RS-13 listed in Chapter 7. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-19; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-20 Section 403.2; documentation**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 20. Change the first paragraph in section 403.2 to read as follows: Proposed alternative designs submitted as requests for exception to the standard design criteria shall be accompanied by an energy analysis, as specified in section 402 of this code. The report shall provide technical detail on the alternative building and system designs and on the data employed in and resulting from the comparative analysis as to verify that both the analysis and the design meet the criteria of sections 401 through 403 of this code, as applicable. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-20; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-21 Table No. 502.1.2a; thermal transmittance and R-Values**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 21. Delete the last line of the second column heading of Table No. 502.1.2a "AND FIGURE NO. 1" and substitute the following: SEE TABLE NO. 502.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-21; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-22 Table No. 502.1.2b; thermal transmittance and R-Values**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 22. Delete the last line of the second column heading of Table No. 502.1.2b "AND FIGURE NO. 1" and substitute the following: SEE TABLE NO. 502.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-22; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-23 Table No. 502.1.2c; thermal transmittance and R-Values**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 23. Delete the last line of the second column heading of Table No. 502.1.2c "AND FIGURE NO. 1" and substitute the following: SEE TABLE NO. 502.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-23; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-24 Section 502.1.4; vapor retarder**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 24. Change section 502.1.4 to read as follows:

502.1.4: In all frame walls and floors and ceilings not ventilated to allow moisture to escape, an approved vapor retarder having a maximum perm rating of 1.0, when identified as conforming to Standard RS-23 listed in Chapter 7, Procedure A, shall be used on the warm-in-winter side of the thermal insulation.

Exceptions:

1. In construction where moisture or its freezing will not damage the materials.
2. In hot and humid climate areas where the following condition(s) occur: sixty-seven degrees Fahrenheit (67°F) or higher wet-bulb temperature for three thousand (3,000) or more hours during the warmest six (6) consecutive months of the year, and/or seventy-three degrees Fahrenheit (73°F) or higher wet-bulb temperature for one thousand five hundred (1,500) or more hours during the warmest six (6) consecutive months of the year.

(*Fire Prevention and Building Safety Commission; 675 IAC 19-3-24; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-25 Section 502.2; criteria for Group R residential buildings**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 25. Change section 502.2 to read as follows: For the purpose of this code, Group R residential buildings shall include all residential buildings, three (3) stories or less in height. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-25; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-26 Section 502.2.1.3; floors over unheated spaces**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 26. Change the last sentence in section 502.2.1.3 to read as follows: For floors over outdoor air, i.e., overhangs,  $U_o$  values for heating shall meet the same requirements as shown for floors over unheated spaces in Table No. 502.2.1 of section 30 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-26; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-27 Section 502.2.1.4; slab-on-grade floors**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 27. Change section 502.2.1.4 to read as follows: For slab-on-grade floors, the R-Value of the insulation around the perimeter of the floor shall not be less than the value given in Table No. 502.2.1 of section 30 of this rule. The insulation shall extend downward from the top of the slab to the bottom of a trench footing or from the top of the slab to the top of the inverted tee of a spread footing, or from the top of the slab downward to the bottom of the slab and then horizontally for a minimum total distance of forty-eight (48) inches and shall be a moisture resisting insulation with an absorption rate of less than five percent (5%) by volume. The top edge of the insulation installed between the exterior wall and the edge of the interior slab may be cut at a forty-five (45) degree angle away from the exterior wall. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-27; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-28 Section 502.2.1.5; crawl space walls**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 28. Change section 502.2.1.5 to read as follows: The exterior walls of crawl spaces below uninsulated floors shall have a thermal transmittance value not less than the value given in Table No. 502.2.1 of section 30 of this rule. Foam plastic insulation used in crawl spaces shall conform to the thermal barrier requirements of 675 IAC 13, the Indiana Building Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code.

Crawl space ventilation shall conform to 675 IAC 13, the Indiana Building Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-28; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-29 Section 502.2.1.6; basement walls**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 29. Change section 502.2.1.6 to read as follows: The exterior walls of basements below uninsulated floors shall have a thermal transmittance value not less than the value given in Table No. 502.2.1 of section 30 of this rule to a depth of ten (10) feet below the outside finish ground level, or to the level of the basement floor, whichever is less. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-29; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-30 Table No. 502.2.1; Thermal Transmittance and R-Values**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 30. Delete Table No. 502.2.1 including the footnotes and substitute the following:

TABLE NO. 502.2.1  
RESIDENTIAL BUILDINGS

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

REQUIRED THERMAL TRANSMITTANCE VALUES  
AND R-VALUES

			(6300 HDD) NORTHERN	(5700 HDD) CENTRAL	(5000 HDD) SOUTHERN
Walls <sup>3</sup>	Heating or Cooling	U <sub>o</sub>	0.12	0.13	0.14
Roof/Ceiling <sup>1</sup>	Heating or Cooling	U <sub>o</sub>	0.026	0.027	0.031
Floors over unheated spaces <sup>2</sup>	Heating or Cooling	U <sub>o</sub>	0.05	0.05	0.05
Slab-on-grade (Perimeter insulation)	Heating or Cooling	R	7.5	7.5	7.5
Crawl Spaces <sup>2</sup> (Perimeter wall insulation)	Heating or Cooling	U <sub>o</sub>	0.10	0.10	0.10
Basement Walls (Perimeter wall insulation)	Heating or Cooling	U <sup>o</sup>	0.095	0.097	0.099

<sup>1</sup> Cathedral ceilings of limited area may have U<sub>o</sub> value of .08, but the walls and/or other ceilings must have the U<sub>o</sub> decreased to balance the additional loss.

<sup>2</sup> In lieu of insulating the floor, the perimeter of the foundation shall be insulated as required by this table with a moisture resisting insulation, having an absorption rate of less than five percent (5%) by volume from the underside of the floor, including the band joist space, down to the top of the footing or to a minimum distance twenty-four (24) inches below the exterior finished grade. A ground vapor retardant having a maximum perm rating of one (1) shall be installed and shall be identified as having been tested in accordance with Standard RS-23 listed in Chapter 7.

<sup>3</sup> For residential construction a continuous vapor retardant having a maximum perm rating of one (1) and identified as having been tested in accordance with Standard RS-23 listed in Chapter 7, shall be installed on the winter heated side of the wall insulation or alternate means may be used under section 103 of this rule [*sic.*, section 103 of this code]. The vapor retardant shall be installed as follows or alternate means may be used under section 103 of this rule [*sic.*, section 103 of this code]:

- (a) Protect the vapor retardant integrity during all construction stages particularly during dry wall or utility installation;
- (b) Vapor retardant joints shall occur only over a solid backing;
- (c) Overlap all seams or seal seams and edges with an approved sealant or adhesive to ensure an airtight seal;
- (d) Integrate preparatory vapor barrier installation into all framing work; and
- (e) Seal vapor retardant around doors, windows, outlets, pipes, vents, chimneys, and any other penetrations.

(*Fire Prevention and Building Safety Commission; 675 IAC 19-3-30; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-31 Section 502.3.1.4; slab-on-grade floors**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 31. Change section 502.3.1.4 to read as follows: For slab-on-grade floors, the R-Value of the insulation around the perimeter of the floor shall not be less than the value given in Table No. 502.3.1 of section 34 of this rule. The insulation shall extend downward from the top of the slab to the bottom of a trench footing or from the top of the slab to the top of the inverted tee of a spread footing or from the top of the slab downward to the bottom of the slab and then horizontally for a minimum total distance of forty-eight (48) inches, and shall be a moisture resisting insulation with an absorption rate of less than five percent (5%) by volume. The top edge of the insulation installed between the exterior wall and the edge of the interior slab may be cut at a forty-five (45) degree angle away from the exterior wall. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-31; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1132; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

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**675 IAC 19-3-32 Section 502.3.1.5; crawl space walls**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 32. Change section 502.3.1.5 to read as follows: The exterior walls of crawl spaces below uninsulated floors shall have a thermal transmittance value not less than the value given in Table No. 502.3.1 of section 34 of this rule. Foam plastic insulation used in crawl spaces shall conform to the thermal barrier requirements of 675 IAC 13, the Indiana Building Code. Crawl space ventilation shall conform to 675 IAC 13, the Indiana Building Code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-32; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1132; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-33 Section 502.3.1.6; basement walls**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 33. Change section 502.3.1.6 to read as follows: The exterior walls of basements below uninsulated floors shall have a thermal transmittance value not less than the value given in Table No. 502.3.1 of section 34 of this rule to a depth of ten (10) feet below the outside finish ground level, or to the level of the basement floor, whichever is less. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-33; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1132; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-34 Table No. 502.3.1; thermal transmittance and R-Values**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 34. Delete Table No. 502.3.1 including the footnotes, and substitute the following:

TABLE NO. 502.3.1  
ALL OTHER BUILDINGS  
REQUIRED THERMAL TRANSMITTANCE VALUES  
AND R-VALUES

			(6300 HDD) northern	(5700 HDD) central	(5000 HDD) southern
Walls 3 Stories or Less	Heating	$U_o$	0.27	0.28	0.29
	Cooling	OTTV	33.8	33.4	33.0
		SF	128	127	126
Walls Over 3 Stories	Heating	$U_o$	0.32	0.34	0.35
	Cooling	OTTV	33.8	33.4	33.0
		SF	128	127	126
Roof/Ceiling	Heating or Cooling	$U_o$	0.074	0.078	0.084
		OTTV	8.5	8.5	8.5
Floors Over <sup>1</sup> Unheated Spaces	Heating or Cooling	$U_o$	0.05	0.05	0.05

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Slab-on-Grade (Perimeter Insulation)	Heating or Cooling	R	7.5	7.5	7.5
Crawl Spaces <sup>1</sup> (Perimeter Wall Insulation)	Heating or Cooling	U <sub>o</sub>	0.10	0.10	0.10
Basement Walls (Perimeter Wall Insulation)	Heating or Cooling	U <sub>o</sub>	0.095	0.097	0.099

<sup>1</sup> In lieu of insulating the floor, the perimeter of the foundation shall be insulated as required by this table with a moisture resisting insulation, having an absorption rate of less than five percent (5%) by volume, from the underside of the floor, including the band joist space, down to the top of the footing or to a minimum distance twenty-four (24) inches below the exterior finished grade. A ground cover vapor retardant having a maximum perm rating of one (1) shall be installed and shall be identified as having been tested in accordance with Standard RS-23 listed in Chapter 7. Foundation vents shall be installed as required by 675 IAC 13, the Indiana Building Code.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-34; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1133; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-35 Table No. 502.4.2**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 35. Change footnote number 2 in Table No. 502.4.2 to read as follows: Compliance with the criteria for air leakage may be determined by Standard RS-2 listed in Chapter 7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-35; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-36 Section 503.2.1; calculation procedures**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 36. Change section 503.2.1 to read as follows: Heating and cooling design loads for the purpose of sizing systems may be determined in accordance with one of the procedures described in Chapters 25 and 26 of Standard RS-1 listed in Chapter 7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-36; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-37 Section 503.2.2; infiltration**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 37. Change section 503.2.2 to read as follows: Infiltration for heating and cooling design loads may be calculated for all buildings except one and two family dwellings by the procedures in Chapter 22 of Standard RS-1 listed in Chapter 7. Calculations for one and two family dwellings may use the methods identified in section 503.2.1 of this code or other approved engineering practices. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-37; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-38 Section 503.4.2; HVAC system heating equipment heat pump-heating mode**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

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Sec. 38. Change section 503.4.2 to read as follows:

503.4.2: HVAC system heating equipment heat pump-heating mode: Heat pumps whose energy input is entirely electric shall have a coefficient of performance (COP) or a heating season performance factor (HSPF) heating, not less than the values in Table No. 503.4.2.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-38; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-39 Table No. 503.4.2; heat pumps**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 39. Delete Table No. 503.4.2 and footnote and substitute as follows:

TABLE NO. 503.4.2  
MINIMUM COP AND HSPF FOR HEAT PUMPS,  
HEATING MODE

Source	MINIMUM COP	MINIMUM HSPF
Air Source	na	6.8
Water Source	3.0	na

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-39; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-40 Section 503.4.3; Table No. 503.4.2a**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 40. (a) Delete Table No. 503.4.2a.

(b) Change section 503.4.3 to read as follows: Gas and oil-fired comfort heating equipment as listed below shall have an AFUE of not less than the values in Table No. 503.4.3. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-40; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-41 Table No. 503.4.3; HVAC fuel utilization**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 41. Delete Table No. 503.4.3 and footnotes and substitute as follows:

TABLE NO. 503.4.3  
HVAC SYSTEM HEATING EQUIPMENT GAS AND OIL-FIRED MINIMUM  
ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE)

FURNACES OF CAPACITIES OF 225,000 BTU/H AND LESS BOILERS OF CAPACITIES OF 300,000 BTU/H AND LESS		ALL OTHER COMMERCIAL INDUSTRIAL FURNACES AND BOILERS
Types of equipment	Percent	Percent
Forced-air furnaces and low-pressure steam or hot-water boilers	78	80
All other vented heating equipment	74	—

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-41; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-42 Section 503.4.5; HVAC system equipment, electrically operated, cooling mode**

Authority: IC 22-13-2-2; IC 22-13-4-1  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 42. Change section 503.4.5 to read as follows:

503.4.5: HVAC system equipment, electrically operated, cooling mode: HVAC system equipment whose energy input in the cooling mode is entirely electric, shall have a Seasonal Energy Efficiency Ratio (SEER) cooling not less than the values in Table No. 503.4.5.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-42; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-43 Table No. 503.4.5; HVAC energy efficiency**

Authority: IC 22-13-2-2; IC 22-13-4-1  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 43. Delete Table No. 503.4.5 and footnotes and substitute as follows:

TABLE NO. 503.4.5  
 MINIMUM SEER FOR ELECTRICALLY  
 DRIVEN HVAC-SYSTEM EQUIPMENT - COOLING

STANDARD RATING CAPACITY	(SEER)
Split Systems	10
Single Package	9.7

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-43; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-44 Table No. 503.4.5a**

Authority: IC 22-13-2-2; IC 22-13-4-1  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 44. Delete Table No. 503.4.5a. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-44; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-45 Section 503.7; cooling with outdoor air (economizer cycle)**

Authority: IC 22-13-2-2; IC 22-13-4-1  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 45. (a) Change the last sentence of the first paragraph of section 503.7 before the exceptions to read as follows: Activation of economizer cycle shall be controlled by sensing outdoor air enthalpy and dry-bulb temperature jointly or outdoor air dry-bulb temperature alone or by alternate means may be used under section 103 of this code.

(b) Change Exception number 1 in section 503.7 to read as follows: The fan system capacity is less than 5,000 cfm or total cooling capacity is less than 134,000 BTU/hour.

(c) Delete Exception number 6 in section 503.7.

(d) Delete Exception number 8 in section 503.7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-45; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-46 Section 503.8.1; temperature control**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 46. Change section 503.8.1 to read as follows: Each heating and/or cooling system shall be provided with at least one adjustable thermostat for the regulation of temperature. Each thermostat shall be capable of being set by adjustment or selection of sensors as follows: *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-46; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-47 Section 503.8.2; humidity control**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 47. Change the exception in section 503.8.2 to read as follows: Exception: Special occupancies requiring different relative humidities may be permitted under section 103 of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-47; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-48 Section 503.9.1; air-handling duct system insulation**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 48. (a) Change Exception number 2 in section 503.9.1 to read as follows: When supply or return air ducts are installed in basements, cellars, ventilated crawl spaces or unventilated crawl spaces, having insulated walls in one or two family dwellings or townhouses.

(b) Add to the end of section 503.9.1 to read as follows: Duct insulation materials for one and two family dwellings and townhouses shall conform to the following:

1. Duct insulation when required for residential construction shall have a minimum R-value of six (6).
2. Coverings and linings, including adhesives when used, shall have a flame-spread rating not over twenty-five (25) without evidence of continued progressive combustion and a smoke-developed rating not over fifty (50).
3. Duct coverings and linings shall not flame, glow, smolder or smoke when tested, and the duct covering shall be labeled as being in accordance with ASTM C411, at the temperature to which it is exposed in service. In no case shall the test temperature be below two hundred fifty degrees Fahrenheit (250°F).
4. Linings shall be interrupted for a minimum of eighteen (18) inches upstream and thirty (30) inches downstream from electric-resistance and fuel-burning heaters within a duct system.
5. Listed equipment internally lined shall be considered as meeting the requirements of this section.
6. Duct coverings shall not penetrate a wall or floor required to have a fire-resistive rating or required to be firestopped.
7. Service openings shall not be concealed by duct coverings unless the exact location of the opening is properly labeled.
8. External ductwork insulation and factory-insulated flexible ductwork shall be legibly printed or labeled at intervals not greater than thirty-six (36) inches with the name of the manufacturer, the nominal thickness and density of the insulation or R-Value and the flame-spread and smoke-developed ratings of the composite materials.
9. Duct and piping insulation materials for other than one and two family dwellings and townhouses shall conform to sections 1005 and 2127.2A(8) of 675 IAC 18, the Indiana Mechanical Code.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-48; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-49 Section 503.10; duct construction**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 49. Delete section 503.10 and footnote number 1 and substitute the following: Ductwork shall be constructed and erected

in accordance with 675 IAC 18, the Indiana Mechanical Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code, as required. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-49; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-50 Section 503.10.1; duct construction**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 50. Change the first line of section 503.10.1 to read as follows: High-pressure and medium-pressure ducts may be leak tested in. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-50; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-51 Section 503.11; piping insulation**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 51. Change Exception number 4 in section 503.11 to read as follows: When piping is installed in basements, cellars, ventilated crawl spaces or unventilated crawl spaces having insulated walls in one and two family dwellings or townhouses. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-51; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-52 Section 504.2.1.1; electric water heaters**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 52. Change section 504.2.1.1 to read as follows: Automatic electric storage water heaters having a storage capacity of one hundred twenty (120) gallons or less and an input rating 12kW or less shall have a standby loss not exceeding four (4.0) watts/ft.<sup>2</sup> of tank surface area or forty-three (43) watts, whichever is greater, and shall be identified as having been tested in accordance with Standard RS-5 listed in Chapter 7 and calculated at eighty degrees Fahrenheit (80°F) temperature difference.

Automatic electric storage water heaters having either a storage capacity greater than one hundred twenty (120) gallons or an input rate greater than 12kW shall have all waterbacked storage tank surfaces insulated to at least R-10 or have a standby loss not exceeding four (4.0) watts/ft.<sup>2</sup> and shall be identified as having been tested in accordance with Standard RS-6 listed in Chapter 7. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-52; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-53 Section 504.2.1.2; gas and oil-fired water heaters**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 53. Change the second and third paragraphs of section 504.2.1.2 to read as follows: These storage water heaters shall be identified as having been tested in accordance with Standard RS-5 listed in Chapter 7.

Other gas-fired water heaters shall have a thermal efficiency ( $E_t$ ) of not less than seventy-five percent (75%) and shall be identified as having been tested in accordance with Standard RS-7 listed in Chapter 7. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-53; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 19-3-54 Section 504.2.3; combination service water heating/space heating boilers**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 54. Change Exception number 1 of section 504.2.3 to read as follows:

Systems with service/space heating boilers having a standby loss (BTU/h) less than:

$$\frac{13.3 \text{ pmd} + 400}{7}$$

determined by the fixture count method where: pmd = probable maximum demand in gallons/hour which may be determined in accordance with Chapter 37 of Standard RS-11 listed in Chapter 7.

n = fraction of year when outdoor daily mean temperature exceeds sixty-four and nine-tenths (64.9) degrees F.

The standby loss is to be determined for a test period of twenty-four (24) hour duration while maintaining a boiler water temperature of ninety degrees Fahrenheit (90°F) above an ambient of sixty degrees Fahrenheit (60°F) to ninety degrees Fahrenheit (90°F) and a five (5) foot stack on appliance.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-54; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-55 Section 504.3; automatic controls**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 55. Change the second sentence of section 504.3 to read as follows: Temperature setting range may be in accordance with Table No. 2 in Chapter 37 of Standard RS-11 listed in Chapter 7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-55; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-56 Section 504.5; swimming pools**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 56. Add a paragraph at the end of section 504.5.1 to read as follows: The thermal efficiency of pool heaters shall be no less than seventy-eight percent (78%). *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-56; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-57 Section 504.5.3; time clocks**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 57. Delete section 504.5.3. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-57; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-58 Section 504.8.2.2; lavatories in rest rooms of public facilities**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 58. Change section 504.8.2.2 to read as follows: Lavatory outlet temperature shall be as required by 675 IAC 16, the Indiana Plumbing Code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-58; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-59 Section 505; electrical power and lighting**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 59. Delete section 505 and substitute the provisions of sections 60 through 65 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-59; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-60 Section 505.1; general**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 60. Section 505.1 is added to read as follows:

505.1 General. Electrical distribution and lighting systems shall be designed for efficient use of electrical energy from the service entrance to the points of use.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-60; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-61 Section 505.2; electrical distribution**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 61. Section 505.2 is added to read as follows:

505.2 Electrical Distribution. 505.2.1 Power Factor. Utilization equipment rated greater than 1,000W, and lighting equipment greater than 15W, with an inductive reactance load component, shall have a power factor of not less than eighty-five percent (85%) under rated load conditions. A power factor of less than eighty-five percent (85%) shall be corrected to at least ninety percent (90%) rated condition. Power factor corrective devices, installed to comply with this code shall be switched with the utilization equipment, except where this results in an unsafe condition or interferes with the intended operation of the equipment. Where the servicing utility certifies that power factor corrective devices at the service entrance are as effective as a corrective device or devices on utilization equipment, either technique may be employed.

505.2.2 Lighting Switching. Switching should be provided for each lighting circuit or for portions of each circuit, so that the partial lighting required for custodial or for effective complementary use with natural lighting may be operated selectively. Circuiting and switching or dimming shall be provided so that:

505.2.2.1 lighting in each task area larger than one hundred (100) square feet can be reduced by at least one-half (1/2) when the task is not being performed.

505.2.2.2 lighting can be turned off when a space is empty and not used.

505.2.2.3 lighting can be selectively reduced or turned off either manually or automatically where daylighting is adequate.

505.2.3 Electrical Energy Determination. In all multifamily dwellings, provisions shall be made to determine the energy consumed by each tenant by separately metering individual dwelling units.

Exception 1. Motels, hotels, bed and breakfast establishments, and dormitories are exempt from these requirements.

Exception 2. This provision does not apply to units with a common central electrical HVAC and/or service water heating systems, but electric lighting systems shall be separately metered.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-61; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1138; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-62 Section 505.3; lighting power budget**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 62. Section 505.3 is added to read as follows:

505.3 Lighting Power Budget. The purpose of this section is to outline a procedure for determining the maximum power limit for the lighting.

A lighting power budget is the upper limit of the power to be available to provide the lighting needs in accordance with the criteria and calculation procedure specified herein.

The lighting power budget for the building shall be the sum of the power limits computed for all lighted interior and exterior spaces and shall be determined in accordance with the procedures specified in this section.

One and two family detached dwellings, bed and breakfast establishments and the dwelling portion of multifamily

dwellings are exempt from the requirements of this section.

505.3.1 Calculation Methods

505.3.1.1 The criteria specified below shall be utilized for computation of the lighting power maximum. All calculations shall be in accordance with section 505.3.5 of this code.

505.3.1.2 When insufficient information is known about the specific use of the building space (e.g., number of occupants, space function, location of partitions), the budget shall be based on the apparent intended use of the building space.

505.3.2 Building Interiors. The budget electric power for lighting shall be established by using the criteria and the calculation procedures specified in this section. The value shall be based on the use for which the space is intended.

505.3.2.1 Illumination Level Criteria. For the purpose of establishing a budget, levels of illumination may be as stated in RS-8 listed in Chapter 7. Those levels shall be used as follows:

505.3.2.1.1 Task Lighting. In most cases, the levels of illumination listed are for specific tasks. These levels are for the task areas and may be used as defined in RS-8 listed in Chapter 7, or where not defined, at all usable portions of task surfaces. In some cases, the levels of illumination are listed for locations. These levels are to be considered as average levels.

505.3.2.1.2 General Lighting. In areas surrounding task locations the average level of general lighting, for budget purposes only, shall be one-third (1/3) the level for the tasks performed in the area. Where more than one task level occurs in a space, the general level shall be one-third (1/3) the weighted average of the specific task levels.

505.3.2.1.3 Non-Critical Lighting. In circulation and seating areas where no specific visual tasks occur, the average level of illumination shall be one-third (1/3) of the average general lighting in the adjacent space.

505.3.2.1.4 Lighting System Criteria. For the purposes of establishing a power budget, only lamp efficacies and coefficients of utilization (CU) specified in Table No. 505.3.2.1a of section 63 of this rule and Table No. 505.3.2.1b of section 64 of this rule shall be assumed.

505.3.3 Exceptions to Building Interior Criteria

505.3.3.1 The criteria of section 505.3.2 shall not apply to specific areas (i.e., Operating rooms, T.V. studios, etc.), when approved under section 103 of this code.

505.3.4 Building Exteriors. For exterior spaces, the lighting power budget shall be based on the use for which the space is intended.

505.3.4.1 Criteria. The same criteria as those for interior spaces apply for illumination levels and lighting systems with the addition of luminaires for floodlighting.

505.3.4.2 Facade Lighting. Facade lighting maximums shall be no greater than two percent (2%) of the total interior lighting budget of the building.

505.3.4.3 Calculation Procedure. In establishing a lighting power budget the following procedures shall be used:

505.3.4.3.1 Overhead Lighting. The procedure specified in this section shall be followed for overhead lighting.

505.3.4.3.2 Floodlighting. The beam lumen method in RS-8 and a coefficient of beam utilization (CBU) of 0.75 may be used for floodlighting calculations.

505.3.5 Calculation Procedure. To establish a lighting power budget, the following procedure shall be used:

505.3.5.1 Determining Illumination Levels and Areas

505.3.5.1.1 Determine the visual tasks that are expected to be performed in each space (the commonly found tasks at each work station) and the number of planned work locations where tasks will be performed. If assumptions are made, their bases shall be indicated.

505.3.5.1.2 Select the illumination level, in footcandles for those expected tasks in accordance with section 505.3.2.1.1 of this code.

505.3.5.1.3 Calculate total task areas to be illuminated to the same level by multiplying the number of work locations by fifty (50) square feet per work location. (Total task area shall not exceed actual total space area.) If the actual task area is greater than fifty (50) square feet the actual area shall be used. If special task lighting or localized lighting is to be employed, use the actual task areas and point calculation procedures.

505.3.5.1.4 Calculate the level of general lighting by multiplying the task lighting level by one-third (1/3), where there is only one task level, or by taking one-third (1/3) of the sum of the products of the task levels (b) and their areas (c) divided by the total task areas in accordance with section 505.3.2.1.2 of this code.

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- 505.3.5.1.5 Calculate the level of non-critical lighting in accordance with section 505.3.2.1.3 of this code.
- 505.3.5.2 Determining Lighting System Data:
  - 505.3.5.2.1 Determine light source and luminaire types.
  - 505.3.5.2.2 Determine lamp lumens per watt and luminaire coefficients of utilization for room luminaire mounting height dimensions. Luminaire CUs shall be selected from manufacturers' data. In all cases, no luminaire shall have a CU for Room Cavity Ratio (RCR) 1 of less than that given in Table No. 505.3.2.1b of section 64 of this rule. Lamp efficacies shall be those listed in Table No. 505.3.2.1a of section 63 of this rule.
- 505.3.5.3 Determining Maximum Wattage:
  - 505.3.5.3.1 Using data from section 505.3.5.2 of this code, the illumination levels and areas determined in section 505.3.5.1 of this code, and the criteria of Table No. 505.3.3.3 of section 65 of this rule calculate the allowable wattages using the lumen method.
  - 505.3.5.3.2 Calculate the total space wattage by adding the task, general and non-critical lighting loads.
  - 505.3.5.3.3 Add the wattage of luminaires allowed in section 505.3.3.1 of this code and section 505.3.3.2 of this code.

505.3.6 The lighting power maximum thus calculated establishes the limit that cannot be exceeded.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-62; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1138; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-63 Table No. 505.3.2.1a; lamp efficacies**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 63. Add Table No. 505.3.2.1a to read as follows:

TABLE NO. 505.3.2.1a  
LAMP EFFICACIES

Application	Lumens* per watt
Where color rendition is not a consideration	100
Where moderate color rendition is appropriate	55
Where good color rendition is appropriate	40
Where high color rendition is appropriate, spaces are less than fifty (50) ft <sup>2</sup> or where use of low wattage High Intensity Discharge (HID) lamps under 250w or fluorescent lamps under 40w is appropriate	25

\*The initial lumen output per watt input, including ballast losses.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-63; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-64 Table No. 505.3.2.1b; luminaire coefficients of utilization (CU)**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 64. Add Table No. 505.3.2.1b to read as follows:

TABLE NO. 505.3.2.1b  
LUMINAIRE COEFFICIENTS OF UTILIZATION (CU)\*

Space Use	Minimum CU (at RCR = 1)

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For spaces with tasks subjected to veiling reflections (where design levels of illumination are listed in terms of equivalent sphere illumination (ESI) and where visual comfort is important.	0.55
For spaces without tasks, or with tasks not subjected to veiling reflections, but where visual comfort is important.	0.63
For spaces without tasks and where visual comfort is not a criterion.	0.70

\*Coefficients of utilization (CU's) are to be for luminaires for use in the types of spaces listed, and those luminaires shall have a CU of no less than that listed for each type space for a Room Cavity Ratio (RCR) of 1 and reflect areas as in Table No. 505.3.3.3. (Fire Prevention and Building Safety Commission; 675 IAC 19-3-64; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 19-3-65 Table No. 505.3.3.3; reflectances and light loss factors**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 65. Add Table No. 505.3.3.3 to read as follows:

TABLE NO. 505.3.3.3  
REFLECTANCES & LIGHT LOSS FACTORS

Interior Spaces*	Reflectance	Light Loss Factor
Ceiling Cavity	80 percent	—
Wall	50 percent	0.70
Floor Cavity	20 percent	—

\*For interior spaces, initial cavity and surface reflectances shall be shown. (Fire Prevention and Building Safety Commission; 675 IAC 19-3-65; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 19-3-66 Section 602.1; general**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 66. Change the first paragraph of section 602.1 to read as follows: The various wall, roof and floor assemblies in the Appendix are typical and are not intended to be all inclusive. Other assemblies may be used under section 103 of this code indicating the thermal transmittance value of the opaque section. (Fire Prevention and Building Safety Commission; 675 IAC 19-3-66; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 19-3-67 Section 602.1.1; vapor retarder**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 67. Delete section 602.1.1 and substitute as follows:

602.1.1 In all frame walls and floors and ceilings not ventilated to allow moisture to escape, an approved vapor retarder having a maximum perm rating of 1.0, when identified as conforming to Standard RS-23 listed in Chapter 7, Procedure A, shall be used on the warm-in-winter side of the thermal insulation.

Exceptions:

1. In construction where moisture or its freezing will not damage the materials.

2. In hot and humid climate areas where the following condition(s) occur: sixty-seven degrees Fahrenheit (67°F) or higher wet-bulb temperature for three thousand (3,000) or more hours during the warmest six (6) consecutive months of the year, and/or seventy-three degrees Fahrenheit (73°F) or higher wet-bulb temperature for one thousand five hundred (1,500) or more hours during the warmest six (6) consecutive months of the year.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-67; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-68 Section 602.2.1; walls**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 68. Change the last sentence of section 602.2.1 to read as follows: The  $U_o$  of the wall may be determined by selecting the  $U_w$  value for the wall section from Appendix Table No. 602.2.1a, 602.2.1b or 602.2.1c and modifying the  $U_w$  by the use of chart 602.2.1(a), 602.2.1(b), 602.2.1(c) or 602.2.1(d) based on the glazing area. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-68; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-69 Section 602.2.2; roof/ceiling**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 69. Change section 602.2.2 to read as follows: The roof/ceiling assembly may be selected from Appendix Table No. 602.2.2 for thermal transmittance value not exceeding the value specified for roof/ceiling in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule as appropriate for the building type. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-69; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-70 Section 602.2.3; floors over unheated spaces**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 70. Change section 602.2.3 to read as follows: The floor section over an unheated space may be selected from Appendix Table No. 602.2.3 for the overall thermal transmittance value ( $U_o$ ) not exceeding the value specified for floors in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule as appropriate for the building type. For floors over outdoor air, i.e., overhangs,  $U_o$  values for heating shall meet the same requirements as shown for floors in Table No. 502.2.1 of section 30 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-70; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-71 Section 602.2.4; slab-on-grade floors**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 71. Change section 602.2.4 to read as follows: For slab-on-grade floors, the R-Value of the insulation around the perimeter of the floor shall not be less than the value given in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule. The insulation shall extend downward from the top of the slab to the bottom of a trench footing or from the top of the slab to the top of the inverted tee of a spread footing or from the top of the slab downward to the bottom of the slab and then horizontally for a minimum distance of forty-eight (48) inches, and shall be a moisture resisting insulation with an absorption rate of less than five percent (5%) by volume. The top edge of the insulation installed between the exterior wall and the edge of the interior slab may be cut at a forty-five (45) degree angle away from the exterior wall. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-71; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-72 Section 602.2.5; crawl space walls**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 72. Change section 602.2.5 to read as follows: The exterior walls of crawl spaces below uninsulated floors shall have a thermal transmittance value of not less than the value given in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule. Foam plastic insulation used in crawl spaces shall conform to the thermal barrier requirements of 675 IAC 13, the Indiana Building Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code.

Crawl space ventilation shall conform to 675 IAC 13, the Indiana Building Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-72; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-73 Section 602.2.6; basement walls**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 73. Change section 602.2.6 to read as follows: The exterior walls of basements below uninsulated floors shall have a thermal transmittance value of not less than the value given in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule to a depth of ten (10) feet below the outside finish ground level, or to the level of the basement floor, whichever is less. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-73; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-74 Section 603.2.1; heating and mechanical cooling equipment performance**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 74. Delete section 603.2.1 including Tables No. 603.2.1a, 603.2.1b, 603.2.1c, and 603.2.1d and substitute the following: Equipment and mechanical component performance and efficiency factors shall be as required by Chapter 5 of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-74; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-75 Section 603.2.2; combustion heating equipment**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 75. (a) Change section 603.2.2 to read as follows: Gas and oil-fired comfort heating equipment shall have an AFUE of not less than the values shown in Table No. 503.4.3.

(b) Delete Table No. 603.2.2 and footnotes. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-75; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-76 Section 604.1.2.3; swimming pools**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 76. (a) Delete the last paragraph of section 604.1.2.3.

(b) Add a paragraph to the end of section 604.1.2.3 to read as follows: The thermal efficiency of pool heaters shall be no less than seventy-eight percent (78%). *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-76; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-77 Section 605; electrical power and lighting**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 77. Change section 605 to read as follows: The electrical power distribution and lighting systems shall conform to the requirements of section 505 of this code.

Exception: One and two family detached dwellings, bed and breakfast establishments, and the dwelling portion of multifamily buildings are exempt from the requirements of this section.

*(Fire Prevention and Building Safety Commission; 675 IAC 19-3-77; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-78 Section 701.1; standards**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 78. (a) Change the first paragraph of section 701.1 to read as follows: The standards and portions thereof, which are referenced in various parts of this code and in this section are not adopted and are not enforceable as part of this code, and are for reference only.

(b) Change RS-1 in section 701.1 to read as follows: 1989 ASHRAE Handbook of Fundamentals.

(c) Delete in section 701.1, Standards RS 16, RS 17, RS 18, and RS 19. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-78; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-79 Chapter 7**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 79. Delete in Chapter 7 the following: Figures No. 1 through No. 9. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-79; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 19-3-80 Appendix**

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 80. Add a paragraph to the Appendix to read as follows: The tables in the Appendix are for information only and are not adopted as part of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-80; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**ARTICLE 20. SWIMMING POOL CODE**

**Rule 1. Indiana Swimming Pool Code (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Aug 14, 1989, 9:00 a.m.: 13 IR 81)*

**Rule 1.1. General Provisions and Definitions**

**675 IAC 20-1.1-1 Title and availability**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 1. (a) This article shall be known as the Indiana Swimming Pool Code, second edition, and will be published by the Indiana fire and building services department for general use and distribution under that title. Whenever the term "this code" is used

in this article, it shall mean the Indiana Swimming Pool Code, second edition.

(b) The Indiana Swimming Pool Code is available for purchase from the Indiana Fire and Building Services Department, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-1; filed Aug 14, 1989, 9:00 a.m.: 13 IR 38, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-2 Definitions; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 2. For the purpose of this code, the definitions in this rule apply throughout this article. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-2; filed Aug 14, 1989, 9:00 a.m.: 13 IR 38, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-3 Definitions "A"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 3. (a) "Abrasion hazard" means a sharp or rough surface which could cause injury under normal use.

(b) "Accessible" means, when applied to a fixture, connection, appliance, or equipment, having access thereto, but may require the removal of an access panel, door, or similar obstruction. "Readily accessible" means direct access without the necessity of removing any panel, door, or similar obstruction.

(c) "Agitation" means the mechanical or manual movement to dislodge the filter aid and dirt from the filter element.

(d) "Airbreak" means a physical separation which may be a low inlet into the indirect waste receptor from the fixture, appliance, or device indirectly connected.

(e) "Air bump assist backwash" means, in a diatomite type filter, the compressing of a volume of air in the filter effluent chamber (by means of an air compressor or by the water pressure from the recirculating pump) which, when released, rapidly decompresses and forces water in the filter tank through the elements in a reverse direction dislodging the filter aid and accumulated dirt and carrying them to waste.

(f) "Air induction system" means a system whereby a volume of air (only) is induced into hollow ducts built into a spa floor, bench, or other location. The air induction system is activated by a separate air power unit (blower).

(g) "Airgap" means the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet conveying water or waste to a tank, plumbing fixture receptor, or other device and the flood level rim of the receptacle.

(h) "Approved" means, as to materials and types of construction, the approval by the state building commissioner as the result of investigation and tests conducted by him, or by reason of accepted principles or tests by approved agencies.

(i) "Approved agency" means an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the state building commissioner or is listed in 675 IAC 12-6-11. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-3; filed Aug 14, 1989, 9:00 a.m.: 13 IR 38, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-4 Definitions "B"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 4. (a) "Backwash" means the process of thoroughly cleaning the filter medium and/or elements by the reverse flow of water.

(b) "Backwash cycle" means the time required to backwash the filter system thoroughly.

- (c) "Backwash pipe" means a type of filter waste discharge piping as defined in section 8(o) of this rule.
- (d) "Backwash rate" means the rate of application of water through a filter during the backwash cycle expressed in United States gallons per minute per square foot (liters per minute per square meter) of effective filter area.
- (e) "Bather" means a person using the pool and adjoining deck areas for the purpose of water sports or related activities.
- (f) "Beginners' area" means the water areas ranging in depth from two (2) feet to three (3) feet.
- (g) "Body feed" means the continuous addition of controlled amounts of filter aid during the operation of a diatomite type filter to maintain a permeable filter cake. If added as a slurry, this may be referred to as a slurry feed.
- (h) "Booster pump system" means a device used to provide hydraulic support for certain types of equipment such as pool cleaning systems, gas chlorinators, and solar systems.
- (i) "Breakpoint chlorination" means the addition of a sufficient amount of chlorine to water to destroy the combined chlorine present.
- (j) "Broadcast" means a method of putting granular or powdered chemicals into a pool by spreading them widely over the surface of the water.
- (k) "Building official" means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-4; filed Aug 14, 1989, 9:00 a.m.: 13 IR 39, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-5 Definitions "C"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

- Sec. 5. (a) "Cartridge" means a filter component of either the depth or surface type having fixed dimensions and designed to remove suspended particles from water flowing through the unit.
- (b) "Cartridge, depth type" means a filter cartridge with a medium relying on penetration of particulates into the medium for removal and providing adequate holding capacity of such particulates.
  - (c) "Cartridge, surface type" means a filter cartridge with a medium relying on retention of particles on the surface of the cartridge for removal.
  - (d) "Chemical feeder" means any device used to feed chemicals such as sanitizers, pH adjusters, algicide, etc. into a pool or spa.
  - (e) "Chemical feeder output rate" means the weight or volume of active ingredients delivered by a chemical feeder expressed in units of weight of volume and time.
  - (f) "Chemical feed rate indicator" means a mechanism which will produce reproducible results expressed in units of weight or volume of chemical per unit of time or per unit of volume of water; said mechanism may be a direct reading instrument or may require the use of a reference chart.
  - (g) "Chemical piping" means piping which conveys concentrated chemical solutions from a feeding apparatus to the circulation piping.
  - (h) "Circulation piping system" means the piping between the pool structure and the mechanical equipment. It usually includes suction piping, face piping, and return piping.
  - (i) "Combination valve" means multiport valve.
  - (j) "Contact concentration" means the concentration of a chemical in a flow of water. This concentration depends on the rate of addition, the flow rate of the water, and the efficiency of the mixing. It is calculated using the equation (assumes complete mixing):  
Amount of chemical (grams per hour)/water flow rate (gallons per minute) × 4.41 = contact concentration (milligrams per liter).
  - (k) "Corrosion-resistant" means capable of maintaining original surface characteristics under the prolonged influence of the use environment.
  - (l) "Cove" means the radius between the wall and the floor. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-5; filed Aug 14, 1989, 9:00 a.m.: 13 IR 39, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty*

(30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 20-1.1-6 Definitions “D”**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 6. (a) “Decks” means those areas surrounding a pool which are specifically constructed or installed for use by bathers.

(b) “Deep areas” means the portions of a pool having water depths in excess of five (5) feet.

(c) “Design head” means the total head requirement of the circulation system at the design rate of flow.

(d) “Design rate of flow (design filter rate)” means the rate of flow in a system which is used for design calculation. (The volume of the pool, spa, or hot tub in gallons divided by the number of minutes in the turnover time.)

(e) “Diatomite filter” means one designed to filter water through a thin layer of filter aid such as diatomaceous earth or volcanic ash. Diatomite filters may be of the pressure or vacuum type.

(f) “Distribution system, upper” means those devices designed to distribute the water entering a sand type filter in a manner such as to prevent movement or migration of the filter media. This system shall also properly collect water during filter backwashing unless other means are provided.

(g) “Distribution system, lower” means those devices used in the bottom of a sand type filter to collect the water uniformly during the filtering and to distribute the backwash water uniformly during the backwashing.

(h) “Diving board” means a recreational mechanism for entering a swimming pool, consisting of a semirigid board that derives its elasticity through the use of a fulcrum mounted below the board.

(i) “Diving equipment, competitive” means competitive diving equipment including competitive diving boards and fulcrum setting diving stands intended to provide adjustment for competitive diving.

(j) “Diving equipment, manufactured” means manufactured diving equipment and shall include diving boards, jump boards, spring boards, and starting platforms. Architectural features such as decorative rocks and elevated bond beams are not considered to be manufactured diving equipment. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-6; filed Aug 14, 1989, 9:00 a.m.: 13 IR 40, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*)

**675 IAC 20-1.1-7 Definitions “E”**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 7. “Effective filtration area” means the total surface area through which the design flow rate will be maintained during filtration. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-7; filed Aug 14, 1989, 9:00 a.m.: 13 IR 40, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*)

**675 IAC 20-1.1-8 Definitions “F”**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 8. (a) “Face piping” means the piping, with all valves and fittings, which is used to connect the filter system together as a unit.

(b) “Family pool” means a residential swimming pool.

(c) “Filter” means a device that separates solid particles from water by circulating the water through a porous substance (a filter medium element).

(d) “Filter, permanent medium” means a filter that under normal use will not have to be replaced.

(e) “Filter, diatomaceous earth” means a filter that uses a thin layer of diatomaceous earth as its filter medium that periodically must be replaced.

- (f) "Filter, cartridge" means a filter that uses a porous cartridge as its filter medium.
- (g) "Filter aid" means a type of finely divided media used to coat a septum type filter, usually diatomaceous earth or volcanic ash. (Note: Alum, as used on the bed of a sand filter, is also referred to as a filter aid.)
- (h) "Filter cycle" means the operating time between cleaning or backwash cycles.
- (i) "Filter element" means that part of a filter which supports the surface upon which the filter aid is deposited (usually in diatomite filters).
- (j) "Filter media" means the finely graded material which entraps suspended particles (sand, anthracite, etc.).
- (k) "Filter rate" means the rate of application of water to a filter expressed in gallons per minute per square foot of effective filter area.
- (l) "Filter rock" means graded, rounded rock, and/or gravel not subject to degradation by common pool chemical used to support filter media.
- (m) "Filter sand" means a specially graded type of permanent filter media.
- (n) "Filter septum" means that part of the filter element in a diatomite type filter upon which a cake of diatomite or other nonpermanent filter aid may be deposited.
- (o) "Filter waste discharge piping" means piping that conducts waste water from a filter to a drainage system. Connection to drainage system is made through an airgap or other approved method.
- (p) "Flow balance valve" means a device to regulate the effluent from the skimmer housing of each of a combination of two (2) or more surface skimmers.
- (q) "Floor" means the interior bottom pool surface and consists of that surface from a horizontal plane up to a maximum of a forty-five (45) degree slope.
- (r) "Freeboard" means the clear vertical distance in a sand type filter between the top of the filter media and the lowest outlet of the upper distribution system.
- (s) "Fresh water" means water having a specific conductivity less than a solution containing six thousand (6,000) parts per million of sodium chloride.
- (t) "Friction loss" means the pressure drop expressed in feet (meters) of water or psi (Pascals) caused by liquid flowing through the piping and fittings. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-8; filed Aug 14, 1989, 9:00 a.m.: 13 IR 40, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-1.1-9 Definitions "H"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

- Sec. 9. (a) "Head loss" means the total pressure drop in pounds per square inch (kilo Pascals) or feet (meters) or head between the inlet and the outlet of a component.
- (b) "High rate sand filter" means a sand filter designed for flows in excess of five (5) gallons per minute per square foot.
  - (c) "Hydrojet booster pump system" means a system whereby one (1) or more hydrojets are activated by the use of a pump which is completely independent of the filtration and heating system of a spa.
  - (d) "Hydrojets" means a fitting which blends air and water creating a high velocity, turbulent stream of air enriched water. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-9; filed Aug 14, 1989, 9:00 a.m.: 13 IR 41, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-1.1-10 Definitions "I"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

- Sec. 10. (a) "Indirect waste pipe" means a pipe that does not connect directly with the drainage system but conveys liquid wastes by discharging into a plumbing fixture, interceptor, or receptacle which is directly connected to the drainage system.
- (b) "Inlet fitting" means a fitting or fixture through which circulated or hydrojetted water enters a pool, spa, or hot tub. *(Fire*

*Prevention and Building Safety Commission; 675 IAC 20-1.1-10; filed Aug 14, 1989, 9:00 a.m.: 13 IR 41, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-1.1-11 Definitions “J”**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 11. (a) “Jump board” means a recreational mechanism that has a coil spring, leaf spring, or comparable device located beneath the board which is activated by the force exerted in jumping on the board.

(b) “Jtu” means Jackson turbidity units, used to measure water clarity. *(Fire Prevention Building Safety Commission; 675 IAC 20-1.1-11; filed Aug 14, 1989, 9:00 a.m.: 13 IR 41, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-1.1-12 Definitions “L”**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 12. (a) “Ladders” mean the following:

(1) “Deck ladder” means a ladder for deck access from outside the pool.

(2) “In-pool ladder” means a ladder located in a pool to provide ingress and egress from the deck.

(3) “Limited access ladder” means a ladder with provision for making entry inaccessible when a pool is not in use, i.e., swing-up, slide-up, or equivalent.

(4) “Portable ladder” means a ladder that is intended to be removed easily when a pool is not in use.

(b) “Liner” means the membrane that acts as a container for the water, usually categorized as one (1) of the following:

(1) “Expandable liner” means a liner that is constructed of a material that has the capability of stretching into a greater depth of irregular shape other than the original constructed dimensions.

(2) “Hooper liner” means a liner that is used to obtain greater depth by geometrical pattern construction on the liner bottom or floor to fit a predetermined size and shape.

(c) “Listed” means equipment or materials included in a list published by a nationally recognized testing agency as identified in 675 IAC 12-6-11.

(d) “Lower distribution system” (underdrain) means those devices used in the bottom of a permanent medium filter to collect the water during the filtering and to distribute the water during the backwashing. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-12; filed Aug 14, 1989, 9:00 a.m.: 13 IR 42, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-1.1-13 Definitions “M”**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 13. (a) “Main outlet” means the outlet fitting(s) at the bottom of a swimming pool, spa, or hot tub through which passes water to the recirculating pump. This outlet is often erroneously referred to as the “main drain”.

(b) “Make-up water” means fresh water used to fill or refill the pool.

(c) “Multiport valve” means a valve for various filter operations, which combines in one (1) unit the function of two (2) or more single direct flow valves. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-13; filed Aug 14, 1989, 9:00 a.m.: 13 IR 42, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-1.1-14 Definitions "N"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 14. (a) "Net positive suction head (NPSH)" means the head available at the entrance or eye of an impeller to move and accelerate the water entering the eye. This head is the gauge pressure at the suction flange of the pump plus the velocity head.

(b) "Nonswimming area" means any portion of a pool where water depth, offset ledges, or similar irregularities would prevent normal swimming activities.

(c) "NPSH, available" means a function of the system in which the pump operates. The available NPSH at the desired rate of flow.

(d) "NPSH, required" means a function of the pump design which varies between different makes, and a valve that must be supplied by the pump manufacturer. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-14; filed Aug 14, 1989, 9:00 a.m.: 13 IR 42, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-15 Definitions "O"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 15. "Overflow system" means perimeter type overflows, surface skimmers, and surface water collection systems of various design and manufacture. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-15; filed Aug 14, 1989, 9:00 a.m.: 13 IR 42, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-16 Definitions "P"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 16. (a) "Perimeter overflow system" means a continuous channel formed into the sidewall entirely around the perimeter of the pool, unless interrupted by steps, into which surface pool water is continuously drawn during normal operation to provide a skimming action.

(b) "Pinching hazard" means any configuration of components that would pinch or entrap the fingers or toes of a bather.

(c) "Pool" means swimming pool, as defined in section 18(s) of this rule.

(d) "Pool depth" means the distance between the floor of pool and the waterline.

(e) "Pool plumbing" means all chemical, circulation, filter waste discharge piping, deck drainage, and water filling systems.

(f) "Positive displacement" means the mechanical displacement of a volume of fluid.

(g) "Precipitate" means a solid material which is forced out of a solution by some chemical reaction and which may settle out or remain as a haze in suspension (turbidity).

(h) "Precoat" means the initial coating of filter aid on the septum of a diatomaceous earth filter.

(i) "Pump discharge pressure" means the actual gauge reading measured in pounds per square inch taken at the discharge outlet of a pump.

(j) "Puncture hazard" means any surface or protrusion that would puncture a bather's skin under casual contact. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-16; filed Aug 14, 1989, 9:00 a.m.: 13 IR 43, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-17 Definitions "R"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 17. (a) "Rapid sand filter" means a filter designed to be used with sand as the filter media and for flows not to exceed five (5) gallons per minute per square foot.

(b) "Rated pressure" means that pressure which is equal to or less than the designed pressure and appears on the data plate of the equipment.

(c) "Receptor" means an approved plumbing fixture or device of such material, shape, and capacity as to adequately receive the discharge from indirect waste piping, so constructed and located as to be readily cleaned.

(d) "Recessed treads" means a series of vertically spaced cavities in the pool wall creating tread areas for stepholes.

(e) "Recirculation system" means the interconnected system traversed by the recirculated water from the pool until it is returned to the pool.

(f) "Removable" means capable of being disassembled with the use of only simple tools such as a screwdriver, pliers, or wrench.

(g) "Return piping" means that part of the piping between the filter and the pool or spa through which passes the filtered water. (This piping is frequently referred to as effluent.)

(h) "Rope and float line" (transition rope) means a continuous line not less than one-fourth (1/4) inch in diameter which is supported by buoys and attached to opposite sides of a pool to separate the deep and shallow ends. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-17; filed Aug 14, 1989, 9:00 a.m.: 13 IR 43, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-18 Definitions "S"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 18. (a) "Saline water" means water having a specific conductivity in excess of a solution containing six thousand (6,000) parts per million of sodium chloride.

(b) "Separation tank" means a device used to clarify filter rinse or waste water. It is sometimes called a "reclamation tank".

(c) "Septum" means that part of the filter element consisting of cloth, wire screen, or other porous material on which the filter cake is deposited.

(d) "Shallow areas" means those portions of a pool ranging in water depth from three (3) to five (5) feet.

(e) "Skim filter" means a surface skimmer combined with a vacuum filter.

(f) "Spa" means any swimming pool of irregular or geometric shell design which incorporates hot water jets, cold water jets, aeration systems, or any combination of the same for hydromassage.

(g) "Spa, permanent" means a spa in which the water-heating and water-circulating equipment is not an integral part of the product. Permanent spas may employ separate components such as an individual filter, pump, heater, and controls, or they may employ assembled combinations of various components.

(h) "Spa, portable, residential" means a spa in which all control, water-heating, and water-circulating equipment is an integral part of the product. Portable residential spas may be permanently wired or cord-connected. The spa shall be movable and aboveground.

(i) "Spa, public" means any spa that is neither for the sole residential use of two (2) or less owner families and their guests nor spas which are operated for medical treatment or physical therapy under medical supervision.

(j) "Spray rinse, manual" means a spray system intended to be used manually for the washing of filter aid and/or accumulated dirt from a filter surface either in place or after removal from the filter tank. This is usually accomplished by means of a hose and nozzle.

(k) "Spray rinse, mechanical" means a fixed or mechanically movable spray system directing a stream of water against a filter surface causing the filter aid and/or accumulated dirt to dislodge into the empty tank.

(l) "Static suction lift" means the vertical distance in feet (meters) from the center line of the pump impeller to the level of water in the pool.

(m) "Steps" means a riser tread or series of riser treads extending down from the deck and terminating at the pool bottom.

(n) "Steps, recessed" means a step or series of steps that are recessed so that all risers are located outside the pool wall.

(o) "Steps, recessed steps, ladders, and recessed treads" means methods of pool ingress and egress that may be used alone

or in conjunction with one another.

(p) “Strainer” means a device used to remove hair, lint, leaves, or other coarse material on the suction side of a pump.

(q) “Suction piping” means that portion of the circulation piping located between the pool structure and the inlet side of the pump and usually includes the following:

- (1) Main outlet piping.
- (2) Skimmer piping.
- (3) Vacuum piping.
- (4) Surge tank piping.

(r) “Surface skimmer” means a device designed to continuously remove surface film and water and return it through the filter as part of the recirculation system, usually incorporating a self-adjusting weir, a collection tank, and a means to prevent air lock of the pump. It is sometimes referred to as a “recirculating overflow”, a “mechanical”, or “automatic skimmer”.

(s) “Swimming pool” means any artificial basin of water constructed, modified, or improved for wading, swimming, or diving. This term does not include artificial lakes.

(t) “Swimming pool, in-ground” means any pool whose sides rest in partial or full contact with the earth.

(u) “Swimming pool, nonpermanently installed” means any pool that is so constructed that it may be readily disassembled for storage and reassembled to its original integrity.

(v) “Swimming pool, on-ground” means any pool whose sides rest fully above the surrounding earth.

(w) “Swimming pool, permanently installed” means any pool that is constructed in the ground or in a building in such a manner that the pool cannot be readily disassembled for storage.

(x) “Swimming pool, public” means any pool other than a residential pool which is intended to be used for swimming or bathing and is operated by an owner, lessee, operator, licensee, or concessionaire, regardless of whether a fee is charged for use. Reference within the standards to various types of public pools are defined by the following categories:

(1) Class A—competition pool: Any pool intended for use for competitive aquatic events sanctioned by nationally recognized athletic organizations such as the following:

- (A) FINA (Federation International De Natation Amateur).
- (B) AAU (Amateur Athletic Union).
- (C) NCAA (National Collegiate Athletic Association).
- (D) USD (United States Diving, Inc.).
- (E) NAIA (National Association of Intercollegiate Athletics).

Such pools may also be used for public recreation.

(2) Class B—public pool: Any pool intended for public recreational use.

(3) Class C—semipublic pool: Any pool operated solely for and in conjunction with lodgings such as hotels, motels, apartments, condominiums, etc.

(4) Class D—special purpose pool: Any pool operated for medical treatment, water therapy, or nonrecreational functions.

(y) “Swimming pool, residential” (family pool) means any constructed pool, permanent or nonportable, which is intended for noncommercial use as a swimming pool by not more than two (2) owner families and their guests.

(z) “Swimming pool, wading” means a pool that may range in water depth from two (2) feet to zero (0) feet for wading. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-18; filed Aug 14, 1989, 9:00 a.m.: 13 IR 43, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-19 Definitions “T”**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 19. (a) “Total discharge head” means the value in feet (meters) of water that a pump will raise water above its center line.

(b) “Total dynamic head” means the arithmetical difference between the total discharge head and total suction head (a vacuum reading is considered as a negative pressure). This value is used to develop the published performance curve.

(c) “Total dynamic suction lift (TDSL)” means the arithmetical total of static suction lift, friction head loss, and velocity head loss working on the suction side of the pump.

(d) "Total suction head" means the value in feet (meters) of water that a pump will lift by suction.

(e) "Toxic" means having an adverse physiological effect on man.

(f) "Trap" means a fitting or device so designed and constructed as to provide, when properly vented, a liquid seal which will prevent the back passage of air without materially affecting the flow of sewage or waste water through it.

(g) "Trimmer valve" means a flow adjusting device which is used to proportion flow over the skimming weir and flow through the main suction line from the main outlet or the vacuum cleaning line.

(h) "Turnover time" means the period of time required to circulate a volume of water equal to the pool capacity. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-19; filed Aug 14, 1989, 9:00 a.m.: 13 IR 45, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-20 Definitions "U"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 20. (a) "Underwater light" means a fixture designed to illuminate a pool from beneath the water surface, further defined as:

(1) "wet niche light" means a watertight and water-cooled light unit placed in a submerged, wet niche in the pool wall and accessible only from the pool; or

(2) "dry niche light" means a light unit placed behind a watertight window in the pool wall.

(b) "Upper distribution system" means those devices designed to distribute the water entering a permanent medium filter in a manner so as to prevent movement or migration of the filter medium. This system shall also properly collect water during filter backwashing unless other means are provided. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-20; filed Aug 14, 1989, 9:00 a.m.: 13 IR 45, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-21 Definitions "V"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 21. (a) "Vacuum piping" means the piping from the suction side of a pump connected to a vacuum fitting located at the pool and below the water level to which underwater cleaning equipment may be attached.

(b) "Velocity" means a measurement of the motion of liquids usually expressed in feet per second.

(c) "Vertical" means a line of surface running perpendicular to the plane of the horizon. A truly plumb line. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-21; filed Aug 14, 1989, 9:00 a.m.: 13 IR 45, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-1.1-22 Definitions "W"**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 22. (a) "Wading area" means the portions of a pool having water depths of two (2) feet and less.

(b) "Walls" means interior pool wall surfaces consisting of surfaces from the vertical to a forty-five (45) degree slope.

(c) "Waste piping" means piping that conveys waste water.

(d) "Waterline" means one (1) of the following:

(1) The waterline for the skimmer system shall fall in the midpoint of the operating range of the skimmers.

(2) The waterline for the overflow system shall be established by the height of the overflow rim.

(e) "Width or length" means the actual water dimension taken from wall to wall at the waterline.

(f) "Winterizing" means the procedure for preparing pools from freezing weather. Includes chemical treatment of the standing water, plus physical and chemical protection of the pool and its equipment against freezing.

(g) "Working pressure" means the maximum operating water pressure recommended by the manufacturer. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-22; filed Aug 14, 1989, 9:00 a.m.: 13 IR 46, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

## **Rule 2. Public Swimming Pools**

### **675 IAC 20-2-1 Content of plans; filing requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 1. (a) Plans and specifications of all public pools shall be submitted pursuant to 675 IAC 12, the general administrative rules, for design release prior to the construction, rehabilitation, or alteration of any public swimming pool.

(b) Such plans and specifications shall contain sufficient information to show that the pool, pool systems, bathhouse, equipment, or improvements thereto will meet the requirements of this code, and shall indicate not less than the following:

- (1) Physical description of the pool including: pool perimeter, area, depths, location of inlets and outlets, waterline, stairs, ladders, diving equipment, and materials of construction.
- (2) Pool volume, turnover, rate of filtration, flow rates, and total dynamic head.
- (3) Source, quality, and characteristics of the make-up water supply.
- (4) Detailed description of filtration, circulation, and chemical feeder equipment.
- (5) Scale, north point, and direction of prevailing wind.
- (6) Occupant load.

(c) This section shall not be considered as a substitute for the requirements of 675 IAC 12, the general administrative rules, on the submission of plans and specifications for pools, their appurtenant equipment, decks, bathhouses, and appliances necessary to maintain the pool in a safe and sanitary condition. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-1; filed Aug 14, 1989, 9:00 a.m.: 13 IR 46, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 20-2-2 Materials of construction**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 2. Swimming pools and all appurtenances thereto shall be constructed of materials which:

- (1) are nontoxic to man and the environment;
- (2) are impervious and enduring;
- (3) can withstand the design stresses;
- (4) will provide a watertight structure with a smooth and easily cleaned surface without cracks or joints, excluding structural joints; or
- (5) a smooth, easily cleaned surface finish is applied or attached.

(*Fire Prevention and Building Safety Commission; 675 IAC 20-2-2; filed Aug 14, 1989, 9:00 a.m.: 13 IR 46, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

### **675 IAC 20-2-3 Structural design**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 3. (a) All pools shall be designed and constructed to withstand all anticipated loading for both empty and full conditions, a hydrostatic relief valve shall be provided for all in-ground pools. The design professional as described in 675 IAC 12, the general administrative rules, shall be responsible for the structural stability as described above.

(b) Sand or earth shall not be permitted as an interior finish in a public swimming pool.

(c) In all pools not completely enclosed in a heated building the pool shell and appurtenances, piping, filter system, pump, motor, and other components shall be so designed and constructed to facilitate protection from damage due to freezing.

(d) The surfaces within a swimming pool intended to provide footing for bathers shall be designed to provide a slip-resisting surface. The roughness or irregularity of such surfaces shall not provide an abrasion hazard to the feet during normal use.

(e) The color, pattern, or finish of the pool interior shall not obscure the existence or presence of objects or surfaces within the pool. The floor of all pools shall be white, light colored, or light colored patterns in order to facilitate the identification of any objects within the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-3; filed Aug 14, 1989, 9:00 a.m.: 13 IR 47, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-4 Dimensional design**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 4. (a) No limits are specified for the shape of swimming pools except that consideration shall be given to shape from the standpoint of safety and circulation of the swimming pool water.

(b) There shall be no protrusions, extensions, means of entanglement, or other obstructions in the swimming area which can cause the entrapment or injury of the bather.

(c) There shall be construction tolerances allowed on all dimensional designs. Overall length, width, and depth in the deep end may vary plus or minus three (3) inches. All other overall dimensions may vary plus or minus two (2) inches, unless otherwise specified (such as in a Class A pool). The designed waterline shall have a maximum construction tolerance at the time of completion of the work of plus or minus one-fourth (1/4) inch for pools with adjustable weir surface skimming systems, and of plus or minus one-eighth (1/8) inch for pools with nonadjustable surface skimming systems.

(d) The size of Class A or D pools shall be governed by the requirements of the activities for which the installation is intended. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-4; filed Aug 14, 1989, 9:00 a.m.: 13 IR 47, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-5 Floor**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 5. (a) All slopes shall be uniform.

(b) The slope of the floor from the shallow end wall towards the deep end shall not exceed one (1) foot in twelve (12) feet to the point of the first slope change for Class A and B pools or one (1) foot in ten (10) feet for Class C pools.

(c) The point of the first slope change shall be defined as the point at which the floor slope exceeds one (1) foot in twelve (12) feet for Class A and B pools or one (1) foot in ten (10) feet for Class C pools.

(d) The slope of the floor from the point of the first slope change to the deep end shall not exceed one (1) foot in three (3) feet. Such slopes are not intended to provide any less water depth than those specified if the pool is intended for diving.

(e) The transitional radius between the pool wall and floor shall be as follows:

(1) The radius shall have its center no less than two (2) feet nine (9) inches below the waterline in deep areas or two (2) feet six (6) inches in the shallow area.

(2) The radius shall be tangent to the wall.

(3) The radius shall be at least equal to, or greater than, the depth of the pool minus the vertical wall depth measured at the

waterline minus three (3) inches to allow draining to the main outlet.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-2-5; filed Aug 14, 1989, 9:00 a.m.: 13 IR 47, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-6 Walls**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 6. (a) Walls in Class B and C pools shall be vertical or within eleven (11) degrees of vertical for a minimum distance of two (2) feet nine (9) inches from the waterline in deep areas or two (2) feet three (3) inches in shallow areas and curved to join the floor.

(b) Walls in Class A pools where racing lanes terminate shall be vertical with a construction tolerance of one (1) degree. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-6; filed Aug 14, 1989, 9:00 a.m.: 13 IR 48, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-7 Depths**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 7. (a) Class A pools intended for competitive diving and swimming shall not be required to comply with the water depth requirements of this code.

(b) Class B and C swimming pools shall have a minimum depth of water in the shallow end of the main swimming area of three (3) feet. Advisory note: Three (3) feet six (6) inches is the minimum recommended depth for racing lanes. Exception: Recessed areas of an irregularly shaped pool.

(c) The beginners' area of a Class B pool shall be visually set apart from, but may be adjoined to, the shallow area and shall not adjoin the deep area. The wading area of a Class B pool shall be visually set apart from, but may be adjoined to, the beginners' area and shall be physically separated from shallow and deep areas of the pool.

(d) The transition point between the wading area and beginners' area of a Class B pool shall be visually set apart with depth numbers, a four (4) inch width row of floor tile, painted line, or similar means of a color contrasting with the bottom. The transition point of the pool from the beginners' area shall be visually set apart with a transition line, depth numbers, and a four (4) inch minimum width row of floor tile, painted line, or similar means of a color contrasting with the bottom. In all pools with diving equipment the shallow area shall be visually set apart from the deep area with a transition line, depth numbers, and a four (4) inch color contrasting with the bottom. Exception: Pools designed and constructed for the sole purpose of diving.

(e) Class B and C pools intended for diving shall meet or exceed the dimensional requirements called for by section 15 of this rule, Figure No. 2-1. Point A is a base reference point for pools designed for diving and shall be the horizontal location of the tip of the diving equipment.

(f) Public pools with diving facilities in excess of three (3) meters in height or pools designed for platform diving shall meet or exceed the dimensional requirements called for by section 16 of this rule, Figure No. 2-2. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-7; filed Aug 14, 1989, 9:00 a.m.: 13 IR 48, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-8 Diving equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 8. (a) When diving equipment is installed, it shall be so located in the diving area of the pool so as to provide not less

than the minimum dimensions shown in section 15 of this rule, Figure No. 2-1.

(b) There shall be a completely unobstructed clear vertical distance of not less than fifteen (15) feet above any diving board measured from the center of the front end of the board. This area shall extend horizontally at least eight (8) feet behind, eight (8) feet to each side, and sixteen (16) feet ahead of point "A", as shown in section 15 of this rule, Figure No. 2-1.

(c) Supports, platforms, stairs, and ladders for diving equipment shall be of substantial construction and of sufficient structural strength to safely carry the anticipated loads. Stairs and ladders shall be of corrosion-resisting material easily cleanable and with tread of slip-resisting design. All diving stands higher than twenty-one (21) inches measured from the deck to the top butt end of the board shall be provided with stairs and/or a ladder.

(d) Platforms and diving equipment which are one (1) meter or higher shall be protected with guard rails. One (1) meter diving equipment guard rails shall be at least thirty (30) inches above the diving board and extend to the edge of the pool wall. All platform or diving equipment higher than one (1) meter shall have guard rails which are at least thirty-six (36) inches above the diving board and extend to the edge of the pool wall.

(e) A label shall be permanently affixed to the diving or jump board and shall include the following:

- (1) Manufacturer's name and address.
- (2) Board length.
- (3) Identification as to diving or jump board.
- (4) Fulcrum setting specifications (if applicable).
- (5) Date of manufacture.
- (6) Reference to the manufacturer's safety standard (if any) that the board will meet.

(f) Diving equipment suitable for installation on a lower pool type may be installed on any higher pool type, providing no less a water envelope is provided from the tip of the board than called for in the lower pool type as described in section 15 of this rule, Figure No. 2-1. Diving equipment of a greater type shall not be installed on a pool of lesser type. Should diving equipment be installed at any greater heights than specified for the lower pool type, then the board shall be installed so that the location of the tip of the board falls within the limitations specified for the higher pool type.

(g) Diving equipment shall have slip-resisting tread surfaces.

(h) Diving equipment shall be permanently anchored to the deck.

(i) Maximum board height over the water shall have plus three (3) inches tolerance to allow for construction variances on Class B and C pools.

(j) The maximum horizontal construction tolerance of the tip of the board from point "A" in section 15 of this rule, Figure No. 2-1, shall be plus or minus three (3) inches on Class B and C pools. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-8; filed Aug 14, 1989, 9:00 a.m.: 13 IR 48, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 20-2-9 Swimming pool slides**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 9. Slides, where provided for use with swimming pools, shall have a permanent label or separate certificate indicating conformance with the rules of the Consumer Product Safety Commission issued as 16 C.F.R. Ch. II, Part 1207. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-9; filed Aug 14, 1989, 9:00 a.m.: 13 IR 49, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 20-2-10 Offset ledges and underwater seat benches**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 10. (a) Offset ledges, when provided, shall fall within eleven (11) degrees from vertical starting at the junction of the pool wall and waterline and shall have a slip-resisting surface.

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(b) Underwater seat benches, when provided, shall have a maximum depth of twenty (20) inches below the waterline at the horizontal seat, be visually set apart, have a slip-resisting surface, and shall be located fully outside of the required minimum diving water envelope if the pool is intended for use with diving equipment.

(c) Underwater seat benches shall be permitted in the deep end of the pool only if they are completely recessed, shaped to be compatible with the shape of the pool wall, or in a corner of the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-10; filed Aug 14, 1989, 9:00 a.m.: 13 IR 49, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-11 Maximum bather load**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 11. The maximum bather load at Class B or C pools shall be in accordance with the following table:

	Shallow, Beginners' or Wading Areas	Deep Areas (not including diving areas)	Diving Areas (per board)
Pools with minimum deck areas	15 square feet per bather	20 square feet per bather	300 square feet per bather
Pools with deck area at least equal to the surface area of the pool	12 square feet per bather	15 square feet per bather	same as above
Pools with deck area at least twice the surface area of the pool	8 square feet per bather	10 square feet per bather	same as above

*(Fire Prevention and Building Safety Commission; 675 IAC 20-2-11; filed Aug 14, 1989, 9:00 a.m.: 13 IR 49, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-12 Wading pools and areas**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 12. (a) Separate wading pools shall be physically set apart from beginners' or shallow areas of swimming pools by at least six (6) feet of deck at Class B pools or four (4) feet of deck at Class C pools. Where a wading pool is adjacent to any deep water area, a barrier not less than four (4) feet high shall be installed separating the two (2) pools or pool areas.

(b) Wading pools and areas shall have a maximum water depth of twenty-four (24) inches. The water depth at the perimeter shall not exceed eighteen (18) inches. The minimum depth of wading pools or areas shall be zero (0). Exception: Zero (0) depth pools.

(c) Walls in wading pools and areas shall be vertical or within eleven (11) degrees of vertical except for the lower six (6) inches which shall be curved to the floor. Walls shall not extend more than six (6) inches above the waterline at any point.

(d) Floors of wading pools and areas shall be uniform sloped to drain to the main outlet with a maximum slope of one (1) foot in twelve (12) feet. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-12; filed Aug 14, 1989, 9:00 a.m.: 13 IR 50, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-13 Decks and deck equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 13. (a) Deck work shall be designed and installed so as to include the quality of subbase, concrete mix design, reinforcing, joints, and finishes. Work performed in accordance with the American Concrete Institute (ACI) Standard 302.1R-80, "Guide for

Concrete Floor and Slab Construction” may be deemed acceptable.

(b) Decks, ramps, and similar surfaces including step treads and coping shall be slip-resisting. The roughness or irregularity of such surfaces shall not cause injury or provide an abrasion during normal use. Depth markers, pool brand insignias, or similar special features located in or on the deck shall conform to this section.

(c) Steps for the deck outside the perimeter shall be in accordance with 675 IAC 13, the Indiana Building Code.

(d) The minimum continuous, unobstructed deck width, including the coping, shall not be less than the following:

(1) Class A pools shall be allowed to comply with the deck width requirements of a nationally recognized athletic sanctioning agency, e.g., NCAA, AAU, or FINA, in lieu of other requirements found in this code.

(2) Class B pool: six (6) feet minimum.

(3) Class C pool: four (4) feet minimum.

(4) Class D pool: three (3) feet minimum where provided.

(5) A minimum of four (4) feet walk width shall be provided on the sides and rear of any diving equipment. A deck clearance of twenty-four (24) inches shall be provided around any other deck equipment that is thirty-six (36) inches or less in height above the deck and a thirty-six (36) inch deck clearance around all other deck equipment.

(e) The maximum slope of decks shall be one-half (1/2) inch per foot with a minimum slope of one-fourth (1/4) inch per foot. Exception: Access ramps, where the maximum slope shall be one (1) inch per foot.

(f) The maximum width of voids between adjoining concrete slabs and/or between concrete slabs and expansion joint material shall be three-sixteenths (3/16) inch of horizontal clearance with a maximum difference in vertical elevation of one-fourth (1/4) inch.

(g) Joints, where the pool coping meets the concrete decks, shall be watertight. Where deck work joins the pool coping, the joining areas shall be designed and installed so as to adequately protect the pool and its mortar bed from damage.

(h) Decks shall be edged, provided with a radius, or otherwise relieved so as to prevent exposed sharp corners.

(i) Decks shall be sloped to effectively drain either to perimeter areas or to deck drains. Drainage shall remove pool splash water, deck cleaning water, and rainwater. Site drainage shall be provided away from all decks so as to direct all perimeter deck drainage as well as general site drainage away from decks. Deck draining systems, when used, shall not drain more than four hundred (400) square feet to a single drain or twenty-five (25) feet of deck perpendicular to a continuous drain.

(j) Open pits (leeching design) for backwash sump purposes shall be located so that it falls completely below adjacent deck work and fully outside a line projected forty-five (45) degrees downward and away from such deck work.

(k) Circulation system piping, other than that integrally included in the manufacture of the pool, shall be subject to an induced static hydraulic pressure test (sealed system) at twenty-five (25) pounds per square inch for thirty (30) minutes. This test shall be performed before the deck is poured, and the pressure shall be maintained through the deck pour.

(l) Recirculation line valves installed in or under any deck(s) shall provide a minimum ten (10) inches diameter access cover and valve pit. Other valves shall not be installed in or under decks.

(m) Hose bibbs with vacuum breakers shall be provided in numbers and locations sufficient for washing down the entire deck area. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-13; filed Aug 14, 1989, 9:00 a.m.: 13 IR 50, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 20-2-14 Means of entry and exit**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 14. (a) All public pools shall have not less than two (2) means of entry and exit located so as to serve both ends of the pool. Pools or water areas over thirty (30) feet in width shall have not less than one (1) means of entry and exit on each side. Not less than one (1) means of entry and exit shall be provided for each seventy-five (75) linear feet, or fraction thereof, of pool perimeter.

(b) A means of entry/exit for the shallow end shall be located between the shallow end wall and the cross section at point “D” in section 15 of this rule, Figure No. 2-1, while a means of entry/exit for the deep end shall be between the deep end wall and the cross section at point “B” in section 15 of this rule, Figure No. 2-1.

(c) Where water depths are twenty-four (24) inches or less at the pool wall, such areas shall be considered as providing their own natural means of entry/exit.

- (d) Stairs, ladders, ramps, and recessed treads shall be located so as not to interfere with racing lanes if applicable.
- (e) The design and construction of protruding and recessed pool stairs and ramps shall conform to the following:
  - (1) Stair treads shall have a minimum unobstructed horizontal tread depth of ten (10) inches and a minimum unobstructed surface area of two hundred forty (240) square inches.
  - (2) Risers at the center line of the treads shall have a maximum uniform height of twelve (12) inches with the bottom riser height allowed to vary plus or minus two (2) inches from the uniform riser height.
  - (3) Each set of stairs or each ramp shall be provided with at least one (1) handrail to fully serve all treads and risers. Handrails shall conform to the following:
    - (A) Handrails, if removable, shall be installed in such a way that they cannot be removed without the use of tools.
    - (B) The leading edge of handrails facilitating steps and pool exit must be located within eighteen (18) inches, plus or minus three (3) inches, horizontally measured from the vertical plane of the bottom riser.
    - (C) The outside diameter of handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches.
  - (4) Ramps, when provided, shall be not less than three (3) feet wide nor have a slope greater than one (1) vertical to ten (10) horizontal.
  - (f) Underwater seats or benches may be provided as part of stairs or recessed treads.
  - (g) Stairs, ladders, or handrails shall not protrude into the minimum water dimensions shown in section 15 of this rule, Figure

No. 2-1.

(h) Stairs or ramps which protrude into a pool shall be visually set apart such that a bather on the deck or in the water can clearly discriminate the stair or ramp from the unobstructed pool.

- (i) The design and construction of pool ladders shall conform to the following:
  - (1) Pool ladders shall be made entirely of corrosion-resisting materials.
  - (2) Ladders must provide not less than two (2) grabrails or two (2) handrails.
  - (3) Below the water level there shall be a clearance of not more than six (6) inches nor less than three (3) inches between any ladder tread edge measured from the pool wall side of the tread and the pool wall.
  - (4) The minimum distance between ladder handrails shall be seventeen (17) inches with a maximum distance of twenty-four (24) inches.
  - (5) There shall be a uniform height between individual ladder treads with a seven (7) inch minimum distance and a twelve (12) inch maximum distance between ladder treads.
  - (6) Ladder treads shall have a minimum tread depth of one and one-half (1 1/2) inches.
  - (7) The outside diameter of grabrails or handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches.
- (j) The design and construction of recessed treads in the pool wall shall conform to the following:
  - (1) Recessed treads at the center line shall have uniform vertical spacing of twelve (12) inches maximum and seven (7) inches minimum.
  - (2) Maximum vertical distance between the pool coping edge, deck, or stair surface, which shall be slip-resisting, and the uppermost recessed tread shall be twelve (12) inches.
  - (3) Recessed treads shall have a minimum tread depth of five (5) inches and a minimum width of twelve (12) inches.
  - (4) Recessed treads shall drain into the pool to prevent the accumulation of dirt thereon.
  - (5) Each set of recessed treads shall be provided with handrails or grabrails to fully serve all treads.
  - (6) The outside diameter of grabrails or handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-2-14; filed Aug 14, 1989, 9:00 a.m.: 13 IR 51, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

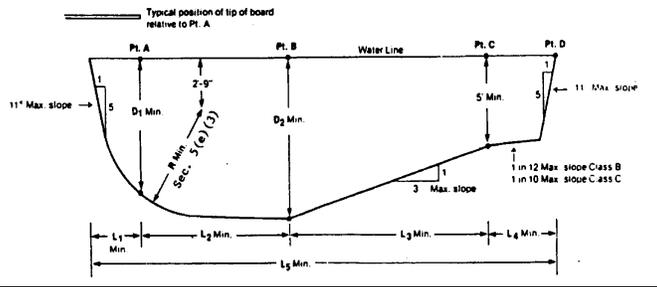
**675 IAC 20-2-15 Figure No. 2-1**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 15.

MINIMUM DIMENSIONS FOR DIVING PORTION OF CLASS B AND C POOLS  
(This drawing does not show the shallow portion of the pool.)



NOTE: L4 is a minimum dimension to allow sufficient length opposite the board. This must be lengthened to form the shallow portion of the pool

POOL TYPE	RELATED DIVING EQUIPMENT		MINIMUM DIMENSIONS								MINIMUM WIDTH OF POOL AT:		
	Max. Diving Board Length	Max. Board Hgt. Over Water	D <sub>1</sub>	D <sub>2</sub>	R	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L <sub>5</sub>	PT. A	PT. B	PT. C
VI	10'	26" (2/3 meter)	(2.13m) 7'-0"	(2.59m) 8'-6"	(1.68m) 5'-6"	(.76m) 2'-6"	(2.44m) 8'-0"	(3.20m) 10'-6"	(2.13m) 7'-0"	(8.53m) 28'-0"	(4.88m) 16'-0"	(5.49m) 18'-0"	(5.49m) 18'-0"
VII	12'	30" (3/4 meter)	(2.29m) 7'-6"	(2.74m) 9'-0"	(1.83m) 6'-0"	(.91m) 3'-0"	(2.74m) 9'-0"	(3.16m) 12'-0"	(1.22m) 4'-0"	(8.53m) 28'-0"	(5.49m) 19'-0"	(6.10m) 20'-0"	(6.10m) 20'-0"
VIII	16'	1 Meter	(2.59m) 8'-6"	(3.05m) 10'-0"	(2.13m) 7'-0"	(1.22m) 4'-0"	(3.05m) 10'-0"	(4.57m) 15'-0"	(.61m) 2'-0"	(9.45m) 31'-0"	(6.10m) 20'-0"	(6.71m) 22'-0"	(6.71m) 22'-0"
IX	16'	3 Meter	(3.35m) 11'-0"	(3.66m) 12'-0"	(2.59m) 8'-6"	(1.83m) 6'-0"	(3.20m) 10'-6"	(6.40m) 21'-0"	0	(11.43m) 37'-6"	(6.70m) 22'-0"	(7.32m) 24'-0"	(7.32m) 24'-0"

L<sub>2</sub>, L<sub>3</sub> and L<sub>4</sub> combined represent the minimum distance from the tip of board to pool wall opposite diving equipment.

\*NOTE: Placement of boards shall observe the following minimum dimensions. With multiple board installations minimum pool widths must be increased accordingly.

- 1 Meter or Deck Level Board to Pool Side 9' (2.74m)
- 3 Meter Board to Pool Side 11' (3.35m)
- 1 Meter or Deck Level Board to 3 Meter Board 10' (3.05m)
- 1 Meter or Deck Level to another 1 Meter or Deck Level Board 8' (2.44m)
- 3 Meter to another 3 Meter Board 10' (3.05m)

For pool Types O through V, see 675 IAC 20-4-9. (Fire Prevention and Building Safety Commission; 675 IAC 20-2-15; filed Aug 14, 1989, 9:00 a.m.: 13 IR 53, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-2-16 Figure No. 2-2

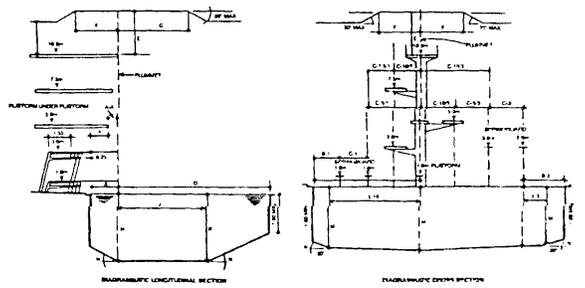
Authority: IC 22-13-2-2  
Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 16. Minimum dimensions for Class A diving pools.

FINA Dimensions for Diving Facilities	Dimensions are in Metres	SPRINGBOARD		PLATFORM				
		1 Metres	3 Metres	1 Metre	3 Metres	5 Metres	7.5 Metres	10 Metres
Length		4.80	4.80	4.50	5.00	6.00	6.00	6.00

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		Width	0.50		0.50		0.60		1.50		1.50		1.50		2.00	
		Height	1.00		3.00		0.60-1.00		2.60-3.00		5.00		7.50		10.00	
			Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.
A	From plummet BACK TO POOL WALL	Designation	A-1	A-3	A-1p1	A-3p1	A-5	A-7.5	A-10							
		Minimum	1.80	1.80	0.75	1.25	1.25	1.50	1.50							
A A	From plummet BACK TO PLATFORM plummet directly below	Designation							AA 5/1	AA 7.5/3/1	AA 10/5/3/1					
		Minimum							1.50	1.50	1.50					
B	From plummet to POOL WALL AT SIDE	Designation	B-1	B-3	B-1p1	B-3p1	B-5	B-7.5	B-10							
		Minimum	2.50	3.50	2.30	2.90	4.25	4.50	5.25							
C	From plummet to ADJACENT PLUMMET	Designation	C-1/1	C-3/3/1	C-1/1p1	C-3/1	1/3p1	C-5/3/1	C-7.5/5-3-1	C-10/7.5/5-3-1						
		Minimum	2.40	2.60	1.65	2.10	2.50	2.75								
D	From plummet to POOL WALL AHEAD	Designation	D-1	D-3	D-1p1	D-3p1	D-5	D-7.5	D-10							
		Minimum	9.00	10.25	8.00	9.50	10.25	11.00	13.50							
E	On plummet from BOARD TO CEILING	Designation		E-1	E-3	E-1p1	E-3p1	E-5	E-7.5	E-10						
		Minimum		5.00	5.00	3.50	3.50	3.50	3.50	5.00	5.00					
F	CLEAR OVERHEAD behind and each side of plummet	Designation	F-1	E-1	F-3	E-3	F-1p1	E-1p1	F-3p1	E-3p1	F-5	E-5	F-7.5	E-7.5	F-10	E-10
		Minimum	2.50	5.00	2.50	5.00	2.75	3.50	2.75	3.50	2.75	3.50	2.75	3.50	2.75	5.00
G	CLEAR OVERHEAD ahead of plummet	Designation	G-1	E-1	G-3	E-3	G-1p1	E-1p1	G-3p1	E-3p1	G-5	E-5	G-7.5	E-7.5	G-10	E-10
		Minimum	5.00	5.00	5.00	5.00	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	6.00	5.00
H	DEPTH OF WATER at plummet	Designation		H-1		H-3		H-1p1		H-3p1		H-5		H-7.5		H-10
		Minimum		3.50		3.80		3.30		3.60		4.00		4.50		5.00
J K	DISTANCE AND DEPTH ahead of plummet	Designation	J-1	K-1	J-3	K-3	J-1p1	K-1p1	J-3p1	K-3p1	J-5	K-5	J-7.5	K-7.5	J-10	K-10
		Minimum	5.00	3.40	6.00	3.70	5.00	3.20	6.00	3.50	6.00	3.90	8.00	4.40	11.00	4.75
L M	DISTANCE AND DEPTH each side of plummet	Designation	L-1	M-1	L-3	M-3	L-1p1	M-1p1	L-3p1	M-3p1	L-5	M-5	L-7.5	M-7.5	L-10	M-10
		Minimum	1.50	3.40	2.00	3.70	1.40	3.20	1.80	3.50	4.25	3.90	4.50	4.40	5.25	4.75
N	MAXIMUM SLOPE TO REDUCE DIMENSIONS beyond full requirements	Pool Depth Ceiling Ht	30 degrees 30 degrees		NOTE: Dimensions C (plummet to adjacent plummet) apply for Platforms with widths as detailed. For wider Platform increase C by half the additional width(s)											



*(Fire Prevention and Building Safety Commission; 675 IAC 20-2-16; filed Aug 14, 1989, 9:00 a.m.: 13 IR 54, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-17 Circulation systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 17. (a) A circulation system consisting of pumps, piping, overflows, skimmers, filters, and other necessary equipment shall be provided for complete and continuous circulation of water through all parts of the pool.

(b) The circulation system shall be of adequate size to produce not less than the following turnover times:

- (1) Class A, Class B, and Class C diving pools: twelve (12) hours.
- (2) Class A, Class B, and Class C pools without wading areas: six (6) hours.
- (3) Class B and Class C pools with wading areas: two (2) hours.
- (4) Class B and Class C wading pools: one (1) hour.
- (5) Class B and Class C wave pools and zero (0) depth pools: two (2) hours.

(c) Circulation components that may require replacement or servicing shall be accessible and available for inspection, repair, or replacement and installed according to manufacturer's instructions.

(d) Materials and equipment used in the circulation system shall be of an approved type.

(e) The water velocity in the pool piping shall not exceed ten (10) feet per second for discharge piping and six (6) feet per second for suction piping, unless summary calculations are provided to show that the greater flow is possible with the pump and piping provided. Pool piping shall be sized to permit the rated flows for filtering and cleaning without exceeding the maximum head at which the pump will provide such flows or exceeding the velocities stated. Exception: The water velocity in copper pipe shall not exceed eight (8) feet per second.

(f) The circulation piping and fittings shall be nontoxic and capable of withstanding operating pressures and conditions.

(g) The suction side of the circulation system shall be tied and split hydraulically equally between the two (2) or more main drains. Both branches shall have the same size pipe as the main drain.

(h) Pool piping shall have a uniform slope in one (1) direction equipped with valves for adequate drainage. Pool piping shall be supported at sufficient intervals to prevent entrapment of air, water, or dirt. Provision shall be made for expansion or contraction of pipes.

(i) Equipment shall be designed and fabricated to drain the pool water from the equipment, together with exposed face piping, by removal of drain plugs and manipulating winter drain valves.

(j) A pressure or vacuum gauge or other means of indicating system condition shall be provided in the circulation system in an accessible location. Class A, Class B, and Class C pools shall be provided with an indicator measuring the rate of flow through the filter system with an appropriate range readable in gallons per minute and accurate within ten percent (10%) actual flow.

(k) When time clocks are used to regulate the operation of circulation systems, they shall be set to regulate all circulation equipment and appurtenant devices.

(l) Operation and maintenance instructions shall be provided for circulation system components. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-17; filed Aug 14, 1989, 9:00 a.m.: 13 IR 55, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Nov 25, 2002, 9:00 a.m.: 26 IR 1100)*

#### **675 IAC 20-2-18 Filters**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 18. (a) Filters shall be designed and constructed so that after cleaning per manufacturer's instructions the system can provide the water clarity such that a six (6) inch black disc, placed upon a white background, is clearly visible at the deepest point of the pool when viewed from the edge of the pool.

(b) Filters shall be designed so that filtration surfaces can be inspected and serviced.

(c) On pressure-type filters, a means shall be provided to permit the release of air which enters the filter tank. Any filter incorporating an automatic internal air release as its principal means of air release must have lids which provide a slow and safe release of pressure as a part of its design. Any separation tank used in conjunction with any filter tank must have a manual means of air release or lid which provides a slow and safe release of pressure as they are opened as a part of its design.

(d) Pressure filters and separation tanks shall have operation and maintenance instructions permanently installed on the filter or separation tank and shall include a precautionary statement warning not to start up the system after maintenance without first opening the air release and proper reassembly of the filter and separation tank. The statement must be visible and noticeable within the area of the air release.

(e) Piping furnished with the filter shall be of suitable material capable of withstanding one and one-half (1 1/2) times the

working pressure.

(f) Filter components which require servicing shall be accessible for inspection and repair when installed according to the manufacturer's instructions.

(g) The rate of filtration shall not exceed three (3) gallons per minute per square foot of filter surface unless the filtration system is specifically listed and labeled for use above said rate. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-18; filed Aug 14, 1989, 9:00 a.m.: 13 IR 55, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

#### **675 IAC 20-2-19 Pumps**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 19. (a) A pump and motor shall be provided for circulation of the pool water. Performance of all pumps shall meet or exceed the conditions of flow required for filtering and cleaning (if applicable) the filters against the total dynamic head developed by the complete system.

(b) Water entering the pump(s) shall pass through the removable strainer.

(c) Pumps shall be selected to perform the functions for which they were intended. Pumps and motors must be accessible for inspection and service.

(d) All motors shall have as a minimum an open, drip-proof enclosure and be constructed electrically and mechanically so they will perform satisfactorily under the conditions of load and environment normally encountered in swimming pool installations.

(e) Motors shall be capable of operating the pump under full load with a voltage variation of at least five percent (5%) from name plate rating. If the maximum service factor of the motor is exceeded (at full voltage), the manufacturer shall indicate this on the pump curve.

(f) All motors shall have thermal or current overload protection, either built in or in the line starter, to provide locked rotor and running protection.

(g) The motor frame shall contain adequate provisions for proper grounding. When a pump is installed below the waterline of a pool, valves shall be installed on permanently connected suction and discharge lines, located in a place outside the walls of the pool, where they will be readily accessible for maintenance and removal of the pump.

(h) Pressure and vacuum gauges shall be installed on all Class A and B pools and:

(1) the vacuum gauge shall be installed as close to the pump suction inlet as possible and still maintain an accurate reading; and

(2) the pressure gauge shall be installed on the face piping ahead of the filter or on the top of the filter in the area of greatest filter pressure.

(i) Where a mechanical pump seal is provided, components of the seal must be corrosion-resisting and capable of operating under conditions normally encountered in swimming pool operation. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-19; filed Aug 14, 1989, 9:00 a.m.: 13 IR 56, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

#### **675 IAC 20-2-20 Inlets and outlets**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 20. (a) Pool inlets and outlets for circulated water shall be located to produce uniform circulation of water and to facilitate the maintenance of a uniform disinfectant residual throughout the entire pool. Where skimmers are used, the inlets shall be located so as to help bring floating particles within range of the skimmers.

(b) The minimum number of inlets required shall be based on two (2) inlets per six hundred (600) square feet of pool surface area or fraction thereof.

(c) Inlets shall be sufficient in number such that the flow through any single inlet shall not exceed forty (40) gallons per

minute.

(d) Wall inlets shall be located not less than twelve (12) inches below the waterline.

(e) Pools with a width over thirty (30) feet shall have bottom inlets.

(f) Inlets shall be designed and installed so as not to provide a hazard to bathers.

(g) Outlet drain covers and grates shall be installed in such a way that they cannot be removed without the use of tools.

(h) All pools shall be provided with a main outlet in the lowest point of the pool floor. All main drains smaller than a twelve (12) inch by twelve (12) inch grate shall be dual main drains with a separation distance of three (3) feet between drains in any dimension. All main drains larger than a twelve (12) inch by twelve (12) inch grate shall be dual main drains with a separation distance three (3) feet or more. The spacing of the main outlets for pool pump suction shall not be greater than twenty (20) feet on centers nor more than fifteen (15) feet from each side wall.

(i) The main outlet sumps shall be covered with suitable protective covers or grates. The total velocity through grate openings shall not exceed one (1) foot per second. The grate opening shall not exceed one-half (½) inch. The main drains shall be of the antivortex design that can only be removed with the use of tools, and velocity shall not exceed six (6) feet per second. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-20; filed Aug 14, 1989, 9:00 a.m.: 13 IR 56, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Nov 25, 2002, 9:00 a.m.: 26 IR 1101)*

### **675 IAC 20-2-21 Surface skimmer systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 21. (a) A surface skimming system shall be provided on all public swimming pools and shall be designed and constructed to skim the pool surface when the water level is maintained within the operational parameters of the system's rim or weir device.

(b) When perimeter-type surface skimming systems are provided they shall meet the following:

(1) Overflow gutters shall extend completely around the pool perimeter with the exception of the following:

(A) Where the gutters would interfere with a means of entry and exit.

(B) "Wave pools" and "zero (0) depth pools".

(2) Overflow gutters shall be capable of continuously removing not less than one hundred percent (100%) of the recirculated water or one (1) gallon per minute per lineal foot of pool perimeter, whichever is greater.

(3) The opening into the gutter beneath the coping shall not be less than four (4) inches, and the interior of the gutter shall not be less than three (3) inches in width or depth.

(4) The overflow edge (lip) shall be rounded and no thicker than two and one-half (2 1/2) inches for the top two (2) inches.

(5) Overflow outlets shall be not less than two (2) inches in diameter and shall be sufficiently spaced so as to maintain the gutters in a self-cleaning and effective state without discharging back into the pool.

(c) Skimmers shall not be installed in pools over thirty (30) feet in width and when installed in pools under thirty (30) feet wide they shall meet the following:

(1) Only be installed where an approved handhold is provided around the perimeter of the pool.

(2) One (1) skimmer shall be provided for every five hundred (500) square feet of pool surface area, or fraction thereof.

(3) Skimming devices shall be installed in the pool wall and shall develop sufficient velocity on the water surface to induce floating oils and wastes into the skimmer(s) from the entire pool area.

(4) The skimmer weir(s) shall be automatically adjustable and shall operate freely with continuous action to variations in water level over a range of at least four (4) inches and shall operate at all flow variations.

(5) No equalizer shall be used nor shall the main outlet be connected to the recirculation system through a skimmer.

(6) The skimmer shall be of sturdy, corrosion-resistant materials with an easily removable and cleanable basket or screen through which all overflow water must pass.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-2-21; filed Aug 14, 1989, 9:00 a.m.: 13 IR 57, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-22 Electrical, lighting, and mechanical**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 22. (a) The requirements of 675 IAC 17, the Indiana Electrical Code, shall be followed for the wiring, grounding, bonding, and installation of electrical equipment and metallic appurtenances to the pool.

(b) Artificial lighting shall be provided for all pools to be used indoors or pools used during periods of darkness. Such lighting shall be sufficient to make a six (6) inch black disc, placed on a white background clearly visible from the side of the pool when that disc is placed on the floor of the pool.

(c) Mechanical equipment shall be designed and installed in accordance with the requirements of 675 IAC 18, the Indiana Mechanical Code. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-22; filed Aug 14, 1989, 9:00 a.m.: 13 IR 57, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-23 Waste water disposal**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 23. Waste water shall be discharged to a point in accordance with 327 IAC, the rules of the water pollution control board, through an approved airgap or other means in accordance with 675 IAC 16, the Indiana Plumbing Code. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-23; filed Aug 14, 1989, 9:00 a.m.: 13 IR 58, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-24 Disinfectant equipment and chemical feeders**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 24. Disinfectant equipment and chemical feeders shall be capable of automatically providing a continuous residual chemical effect in accordance with 410 IAC, the rules of the Indiana state department of health. All such equipment shall be of an approved type and shall be installed downstream from the pump and wired so they will not operate unless the filter pump is operating. Exception: Erosion-type chlorinators may feed their solution to the suction side of the pump. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-24; filed Aug 14, 1989, 9:00 a.m.: 13 IR 58, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Nov 25, 2002, 9:00 a.m.: 26 IR 1102)*

**675 IAC 20-2-25 Water supply**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 25. (a) The water supply serving the pool shall meet 327 IAC, the rules of the water pollution control board, before any bather uses the pool.

(b) No direct mechanical connection shall be made between the potable water supply and the pool, disinfectant equipment, chemical feeders, or system piping for the pool unless it is protected against backflow and siphonage in a manner acceptable under 675 IAC 16, the Indiana Plumbing Code, or through an approved airgap meeting that same code.

(c) An over-the-rim spout, if used, shall be under a diving or jump board, diving platform, adjacent to a ladder, or otherwise shielded so as not to create a hazard. Its open end shall have no sharp edges and shall not protrude more than two (2) inches beyond the edge of the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-25; filed Aug 14, 1989, 9:00 a.m.: 13 IR 58,*

*eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-2-26 Safety requirements**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 26. (a) Pools shall be provided with a suitable handhold around their perimeter in areas where depths exceed three (3) feet six (6) inches. Handholds shall be provided no farther apart than four (4) feet and may consist of any one (1) or a combination of the following:

(1) Coping, ledge, or deck along the immediate top edge of a pool that provides a slip-resisting surface of at least a four (4) inch minimum horizontal width located not over twelve (12) inches above the waterline.

(2) Ladders, stairs, or seat ledges.

(3) A railing fastened to the wall placed not over twelve (12) inches above the waterline.

(b) A transition line shall be provided between one (1) foot and two (2) feet on the shallow side of the break in grade between the shallow and deep portions of the swimming pools, with its position marked with visible floats at not greater than seven (7) feet intervals. This transition line shall be securely fastened to wall anchors of corrosion-resisting materials and of the type which shall be recessed.

(c) Depth of water in feet shall be plainly and conspicuously marked at or above the water surface on the vertical pool wall and on the top of coping or edge of the deck or walk next to the pool as follows:

(1) Depth markers on the deck shall be within eighteen (18) inches of the water edge and positioned to be read while standing on the deck facing the water.

(2) Depth markers shall be installed at the maximum and minimum water depths and at all points of slope change and at intermediate increments of water depth not to exceed two (2) feet.

(3) Depth numbers shall not be less than four (4) inches minimum height, permanently colored, and in contrast to the background on which they are applied.

(d) Lifeguard chairs are required for all pools over two thousand (2,000) square feet at a rate of one (1) chair per every two thousand (2,000) square feet of water surface.

(e) All Class A, Class B, and Class C pools shall be furnished with not less than the following:

(1) One (1) United States Coast Guard approved ring buoy or rescue tube attached to a one-fourth (1/4) inch diameter throwing line equal to the width of the pool but not to exceed forty-five (45) feet in length.

(2) One (1) shepherd's hook with a pole not less than twelve (12) feet long.

(3) One (1) twenty-four (24) unit first aid kit.

(4) Access to a telephone.

(f) All Class A, Class B, and Class C pools shall be enclosed by a fence, wall, building, or other enclosures that are not less than six (6) feet high, to aid in the control of the movement of bathers and to discourage the entrance of unwanted persons. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-26; filed Aug 14, 1989, 9:00 a.m.: 13 IR 58, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; filed Nov 5, 1991, 5:00 p.m.: 15 IR 238; errata filed Mar 10, 1992, 11:00 a.m.: 15 IR 1393; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Nov 25, 2002, 9:00 a.m.: 26 IR 1102)*

**675 IAC 20-2-27 Bathhouse construction standards**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 27. (a) Dressing, shower, and sanitary facilities for each sex shall be provided within three hundred (300) feet of all Class A, B, and C pools.

(b) In all Class A and B pools such facilities shall be provided in a separate bathhouse located in such a manner that bathers must pass through the bathhouse to gain entry to the pool. Said bathhouse shall not be required to be a separate building.

(c) Design and construction of bathhouses shall be in accordance with the rules of the fire prevention and building safety

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commission [this title]. Minimum plumbing facilities for bathers shall be in accordance with the following table:

PATRON LOAD	FIXTURES REQUIRED*				FIXTURES REQUIRED*		
	MALE				FEMALE		
	Water Closets	Urinals	Lavatories	Showers	Water Closets	Lavatories	Showers
0-50	1	1	1	1	1	1	1
51-100	1	1	1	1	2	1	1
101-150	1	2	1	2	3	1	2
151-200	1	2	1	2	3	1	2
201-250	2	2	1	3	4	2	3
251-300	2	3	2	4	5	2	4
301-400	2	3	2	5	5	2	5
401-500	3	3	2	6	6	2	6
501-1000	3	4	2	7	7	2	7
1001-1500	4	5	2	10	9	2	10
1501-2000	5	6	2	15	11	2	15
2001 or more	6	7	3	20	13	3	20

\* For swimming pools at schools, camps or similar locations where patron loads may reach peaks due to schedules of use, the fixture schedules should be increased.

(d) Hose bibbs with approved nonremovable type backflow prevention devices shall be provided within the bathhouse to enable the entire area to be flushed with a fifty (50) foot hose.

(e) No less than one (1) drinking fountain shall be provided and available to bathers at the pool site. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-27; filed Aug 14, 1989, 9:00 a.m.: 13 IR 59, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**Rule 3. Public Spas**

**675 IAC 20-3-1 Materials of construction**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 1. (a) Public spas and all appurtenances thereto shall be constructed of materials which:

- (1) are nontoxic to man and the environment;
- (2) are impervious and enduring;
- (3) are capable of withstanding the stresses that the spas were designed to receive;
- (4) are smooth and easily cleaned;
- (5) will provide a watertight structure;
- (6) are without cracks or joints, excluding structural joints; and
- (7) are corrosion-resistant.

(b) Public spas placed outside building enclosures shall be so designed and constructed as to facilitate protection from damage due to freezing.

(c) Surfaces within the spa that provide footing shall be slip-resistant without presenting an abrasion hazard to bathers.

(d) Surfaces within the spa shall be light colored.

(e) Roofs or canopies over spas shall be so constructed that condensation from the roof or canopy shall not drain into the spa. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-1; filed Aug 14, 1989, 9:00 a.m.: 13 IR 59, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR*

530)

**675 IAC 20-3-2 Dimensional design; minimum volume**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 2. (a) The maximum water depth in public spas shall be four (4) feet. The maximum water depth at any seat shall be two (2) feet from the waterline.

(b) Approved handholds shall be provided at the perimeter of spas which exceed three (3) feet six (6) inches in depth. Such handholds shall consist of any of the following:

(1) Coping, ledges, or flanges which provide a rounded, slip-resistant surface of one and one-fourth (1 1/4) to two (2) inches in diameter which are not more than twelve (12) inches above the waterline.

(2) Ladders, steps, or seat ledges.

(3) A railing with a diameter between one and one-fourth (1 1/4) and two (2) inches diameter which is not more than twelve (12) inches above the waterline.

(4) A combination of the above.

(c) Public spas shall not be less than one thousand (1,000) gallons in volume.

(d) The slope of the floor of the spa shall not exceed one (1) in twelve (12). (*Fire Prevention and Building Safety Commission; 675 IAC 20-3-2; filed Aug 14, 1989, 9:00 a.m.: 13 IR 59, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-3-3 Means of entry and exit**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 3. (a) Spas shall be provided with not less than one (1) handrail or ladder for every fifty (50) feet of perimeter or portion thereof.

(b) Stairs within the perimeter of the spa shall meet the following requirements:

(1) Treads shall be slip-resistant and not less than ten (10) inches deep and twelve (12) inches wide.

(2) Risers shall be between seven (7) inches and twelve (12) inches high and uniform in height with the following exception: When the bottom tread is part of an underwater bench the rise shall not exceed fourteen (14) inches.

(3) Not less than one (1) handrail that serves all treads shall be provided for each stair.

(4) Handrails shall be installed so they cannot be removed without tools.

(5) The leading edge of handrails shall be within eighteen (18) inches horizontally measured from the vertical plane of the bottom riser.

(6) Handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches in diameter.

(c) Stairs outside the perimeter of the spa shall be in accordance with 675 IAC 13, the Indiana Building Code.

(d) Ladders within the perimeter of the spa shall meet the following requirements:

(1) Treads shall be slip-resistant and not less than one and one-half (1 1/2) inches deep by not less than seventeen (17) inches wide nor more than twenty-four (24) inches wide.

(2) Handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches in diameter.

(3) Two (2) handrails or handholds are required for each ladder.

(4) The clearance between spa ladders and the spa wall shall be between three (3) inches and six (6) inches.

(e) An exception to subsection (d) is recessed treads not less than five (5) inches deep draining into the spa and uniformly spaced between a minimum of seven (7) inches and a maximum of twelve (12) inches apart. (*Fire Prevention and Building Safety Commission; 675 IAC 20-3-3; filed Aug 14, 1989, 9:00 a.m.: 13 IR 60, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-3-4 Decks**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 4. (a) A deck not less than four (4) feet in width shall surround not less than fifty percent (50%) of the perimeter of a spa.

(b) Decks shall meet the following requirements:

(1) Surfaces shall be slip-resistant but not providing an abrasion hazard.

(2) The maximum dimension of any horizontal void shall be three-sixteenths (3/16) of an inch, and the maximum vertical difference in surfaces other than stairs shall be one-fourth (1/4) of an inch.

(3) All corners shall be rounded or relieved.

(4) Decks shall drain away from the spa.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-3-4; filed Aug 14, 1989, 9:00 a.m.: 13 IR 60, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-3-5 Mechanical, electrical, and water supply**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 5. (a) Mechanical equipment shall be installed in accordance with 675 IAC 18, the Indiana Mechanical Code.

(b) Electrical equipment, system wiring, and grounding of all spa equipment and appurtenances shall be in accordance with 675 IAC 17, the Indiana Electrical Code.

(c) An emergency shutdown device shall be installed that will immediately cut power to the pump serving the main drains. This emergency shutdown device shall be readily accessible in the event of an emergency. This device shall be distinctly labeled as EMERGENCY SPA SHUTDOWN DEVICE. This device shall be installed in the same room as the spa and within site of the spa.

(d) The water supply serving the spa shall meet 327 IAC, the rules of the water pollution control board, before any bather uses the spa. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-5; filed Aug 14, 1989, 9:00 a.m.: 13 IR 61, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Nov 25, 2002, 9:00 a.m.: 26 IR 1102)*

**675 IAC 20-3-6 Inlets and outlets**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 6. (a) Spa inlets and outlets shall be arranged to produce a uniform circulation of water throughout the spa.

(b) Water velocity in the spa piping shall not exceed ten (10) feet per second with the following exceptions:

(1) Suction velocity shall not exceed six (6) feet per second.

(2) Water velocity in existing asbestos cement pipe shall not exceed six (6) feet per second.

(3) Water velocity in copper pipe shall not exceed eight (8) feet per second.

(c) Total velocity through grate openings shall not exceed two (2) feet per second.

(d) All outlets below the waterline shall be covered with either a protective grate with individual openings of three-eighths (3/8) of an inch or less, or an antivortex cover.

(e) All spas shall have a surface skimming (overflow) system and dual drain outlets at the lowest point on the spa floor. The dual drains shall be spaced at least three (3) feet apart. When skimmers are the sole overflow system, not less than one (1) skimmer shall be provided for each one hundred (100) square feet, or portion thereof, of water surface. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-6; filed Aug 14, 1989, 9:00 a.m.: 13 IR 61, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.];*

*readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Nov 25, 2002, 9:00 a.m.: 26 IR 1103)*

**675 IAC 20-3-7 Circulation systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 7. (a) Every spa shall be provided with an approved type circulation system capable of turning over the entire spa water capacity in not less than thirty (30) minutes.

(b) All circulation shall go through the spa filtration system and be chemically treated prior to injection into the spa.

(c) A removable strainer or screen shall be installed upstream from all pumps.

(d) Filters shall meet the following requirements:

(1) They shall be capable of maintaining the standards of turbidity set by the state department of health.

(2) They shall be provided with a means to safely release air which builds up in the filter tank.

(3) Piping furnished with the filter system shall be capable of withstanding three (3) times the designed working pressure.

(4) The suction side of the circulation system shall be tied and split hydraulically equally between the two (2) or more main drains. Both branches shall have the same size pipe as the main drain.

(5) All filters and their components shall be accessible.

(e) Air induction systems, when provided, shall prevent water backup and shall not introduce contaminants into the spa water.

(f) Chemical feeder systems capable of maintaining a chemical residual and pH level in accordance with 410 IAC, the rules of the Indiana state department of health. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-7; filed Aug 14, 1989, 9:00 a.m.: 13 IR 61, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Nov 25, 2002, 9:00 a.m.: 26 IR 1103)*

**675 IAC 20-3-8 Waste water disposal**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 8. Waste water shall be discharged to a point in accordance with 327 IAC, the rules of the water pollution control board, through an approved airgap or other means in accordance with 675 IAC 16, the Indiana Plumbing Code. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-8; filed Aug 14, 1989, 9:00 a.m.: 13 IR 61, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-3-9 Enclosure**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 9. All public spas shall be enclosed by a fence, wall, building, or other enclosure that is not less than six (6) feet high to aid in the control of the movement of bathers and to discourage the entrance of unwanted persons. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-9; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**Rule 4. Residential Swimming Pools**

**675 IAC 20-4-1 Special provisions**

Authority: IC 22-13-2-2

Affected: IC 22-12-1-5; IC 22-13-2-7; IC 22-13-2-11; IC 22-15; IC 36-7

Sec. 1. (a) Residential swimming pools are Class 2 structures according to IC 22-12-1-5. Enforcement of this rule is the responsibility of local units of government.

(b) The provisions of this rule are not intended to restrict the appropriate use of materials, equipment, or methods of design not specifically described in this rule.

(c) The enforcing official may require submission of evidence or proof that substantiates any claims made regarding the appropriate use of materials, equipment, or methods of design.

(d) This section shall not authorize a variance from or modification of any rule of the fire prevention and building safety commission except pursuant to variance authority provided for in IC 22-13-2-7 and IC 22-13-2-11. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-1; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-2 Materials of construction**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 2. Swimming pools and all appurtenances thereto shall be constructed of materials which:

(1) are nontoxic to man and the environment;

(2) are impervious and reasonably enduring;

(3) can withstand the stresses that the pool was designed to receive;

(4) will provide a watertight structure with a smooth and easily cleaned surface without cracks or joints, excluding structural joints; or

(5) a smooth, easily cleaned surface finish shall be applied to, attached to, or installed.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-4-2; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-3 Structural design**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 3. (a) Prior to construction, rehabilitation, or alteration of a permanently installed residential pool, plans and specifications shall be submitted to the local authority for review, approval, and issuance of a permit to construct or rehabilitate, as may be required.

(b) The structural design and materials used shall be in accordance with generally accepted structural engineering practices. Sand or earth shall not be permitted as an interior finish in a swimming pool.

(c) In all outdoor pools, the pool shell and appurtenances, piping, filter system, pump, motor, and other components shall be so designed and constructed to facilitate protection from damage due to freezing.

(d) The surfaces within the pool intended to provide footing for bathers shall be designed to provide a slip-resisting surface. The roughness or irregularity of such surfaces shall not provide an abrasion hazard to the feet during normal use.

(e) The colors, patterns, or finishes of the pool interior shall not obscure the existence or presence of objects or surfaces within the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-3; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-4 Dimensional design**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 4. (a) No limits are specified for the shape of swimming pools except that consideration shall be given to the shape from the standpoint of safety and circulation of the swimming pool water.

(b) There shall be no protrusions, extensions, means of entanglement, or other obstructions in the swimming area which can cause the entrapment or injury of the bather.

(c) There shall be construction tolerances allowed on all dimensional designs. Overall length, width, and depth in the deep end may vary plus or minus three (3) inches. All other overall dimensions may vary plus or minus two (2) inches unless otherwise specified. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-4; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-5 Walls**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 5. Walls shall not be greater than eleven (11) degrees from plumb for a minimum depth of two (2) feet nine (9) inches from the waterline in deep areas or two (2) feet three (3) inches in the shallow areas. Below these depths the wall may be curved to join the floor. An exception to this section is walls on Type 1 and special purpose pools shall be plumb as is shown in section 10(d) of this rule, Figure No. 4-5. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-5; filed Aug 14, 1989, 9:00 a.m.: 13 IR 63, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-6 Floor slope**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 6. Floor slopes shall be in compliance with the following:

(1) All slopes shall be uniform.

(2) The slope of the floor from the shallow end wall towards the deep end shall not exceed one (1) foot in seven (7) feet (1:7) to the point of the first slope change.

(3) The point of the first slope change shall be defined as the point at which the floor slope exceeds one (1) foot in seven (7) feet (1:7) and shall be not less than six (6) feet from the shallow end wall.

(4) The slope of the floor from the point of the first slope change to the deep end wall shall not exceed one (1) foot in three (3) feet (1:3).

*(Fire Prevention and Building Safety Commission; 675 IAC 20-4-6; filed Aug 14, 1989, 9:00 a.m.: 13 IR 63, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-7 Water depth**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 7. (a) Water depths at the shallow end of the swimming area shall be two (2) feet nine (9) inches minimum and three (3) feet six (6) inches maximum, except for special purpose pools.

(b) No minimum water depth shall be specified in a nonswimming area. The nonswimming area shall be visually set apart.

(c) Pools of the type where manufactured diving equipment is permitted shall have the area and depth of water in compliance with the drawings for Type I through Type V pools.

(d) Where manufactured diving equipment is installed, it shall conform to the specifications set forth in section 15 of this rule and shall be so located in the diving area of the pool so as to provide the minimum dimensions for area and depth of water as shown on drawings of Type I through Type V pools.

(e) The tip of the manufactured diving equipment shall be located at point "A" which is the reference point for all other

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dimensions. (Fire Prevention and Building Safety Commission; 675 IAC 20-4-7; filed Aug 14, 1989, 9:00 a.m.: 13 IR 63, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 20-4-8 Minimum vertical clearances**

Authority: IC 22-13-2-2  
 Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 8. Minimum unobstructed headroom from the top of the manufactured diving equipment shall be provided for diving in accordance with the following table unless greater dimensions are called for by the manufacturer:

Pool Type	Minimum Headroom Above Board
I	12 feet
II	12 feet
III	12 feet
IV	13 feet
V	14 feet

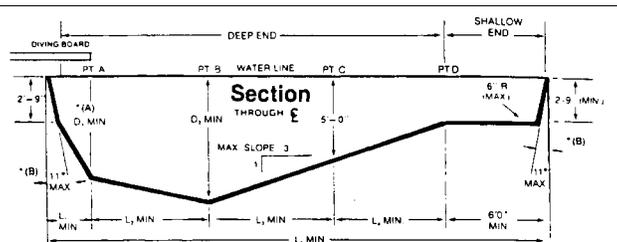
(Fire Prevention and Building Safety Commission; 675 IAC 20-4-8; filed Aug 14, 1989, 9:00 a.m.: 13 IR 63, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 20-4-9 Pool types**

Authority: IC 22-13-2-2  
 Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 9. (a) Residential pools shall be further classified into types as an indication of the suitability of a pool for use with diving equipment as shown in subsection (b), Figure No. 4-1. Diving equipment classified at a higher type shall not be used on a pool of a lesser type.

(b) This subsection contains Figure No. 4-1, a reference chart of minimum dimensions for residential pools with manufactured diving equipment.



\*(A) Minimum depth under diving board or jump board.  
 \*(B) Type I pools shall have plumb walls as shown in section 10(d) of this rule, Figure No. 4-5.

POOL TYPE	MINIMUM DIMENSIONS						MINIMUM WIDTH OF POOL			
	D <sub>1</sub>	D <sub>2</sub>	L <sub>1</sub> *	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L <sub>5</sub>	PT. A	PT. B	PT. C
O	DIVING EQUIPMENT IS PROHIBITED									
I	6'-0"	7'-6"	1'-6"	7'-0"	7'-6"	6'-9"	28'-9"	10'-0"	12'-0"	10'-0"
II	6'-0"	7'-6"	1'-6"	7'-0"	7'-6"	6'-9"	28'-9"	12'-0"	15'-0"	12'-0"
III	6'-10"	8'-0"	2'-0"	7'-6"	9'-0"	6'-9"	31'-3"	12'-0"	15'-0"	12'-0"
IV	7'-8"	8'-6"	2'-6"	8'-0"	10'-6"	6'-9"	33'-9"	15'-0"	18'-0"	15'-0"
V	8'-6"	9'-0"	3'-0"	9'-0"	12'-0"	6'-9"	36'-9"	15'-0"	18'-0"	15'-0"

(c) The minimum allowable underwater cross sections at B, C, and D shall be as shown on drawings of Type I through Type V pools (section 10(d) through 10(e) of this rule, Figures No. 4-5 through 4-6).

(d) Constant depth and other swimming pools on which diving equipment is prohibited (Type O) with water depths not

exceeding four (4) feet shall not be limited in width, length, or depth of water except as provided in sections 4 through 5 of this rule.

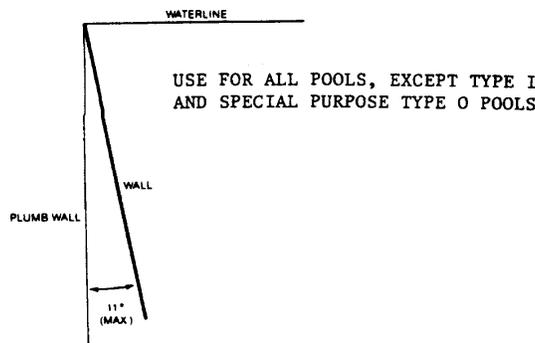
(e) Stationary diving platforms built on-site shall be located in the diving area of the pool so as to provide the minimum dimension as shown in subsection (b), Figure No. 4-1, at a maximum height of three (3) feet above the waterline. Point "A" shall be eighteen (18) inches in front of the wall at the platform center line. Stationary diving platforms shall not extend more than eighteen (18) inches horizontally over the water from the wall. (*Fire Prevention and Building Safety Commission; 675 IAC 20-4-9; filed Aug 14, 1989, 9:00 a.m.: 13 IR 64, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-4-10 Figures 4-2 through 4-10**

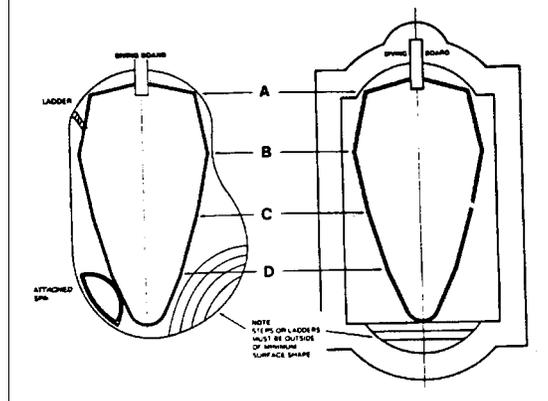
Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

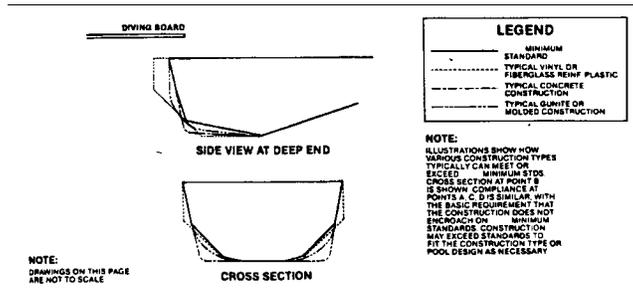
Sec. 10. (a) This subsection contains Figure No. 4-2, maximum allowable wall slope.



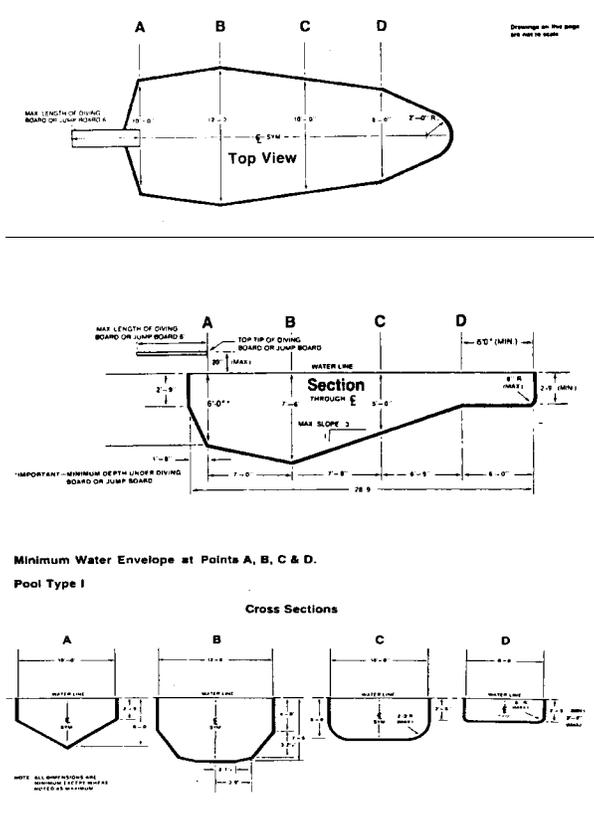
(b) This subsection contains Figure No. 4-3, relationship of minimum top view dimensions to steps or stairs.



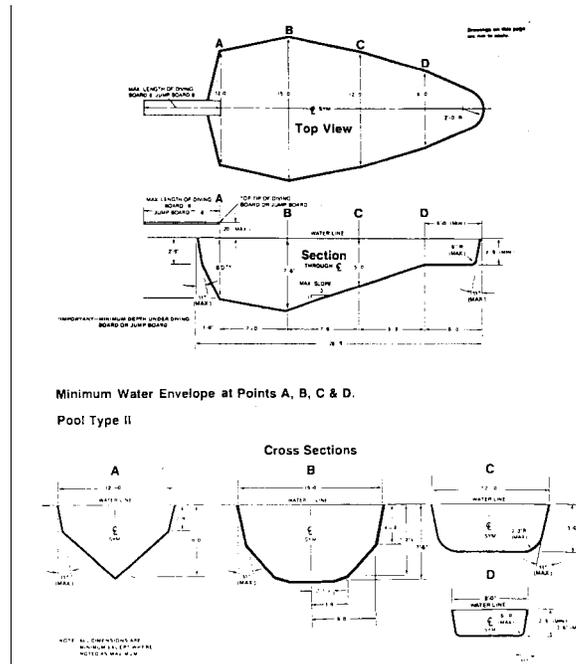
(c) This subsection contains Figure No. 4-4, relationship of vinyl, fiberglass, gunite, and concrete construction to minimum requirements.



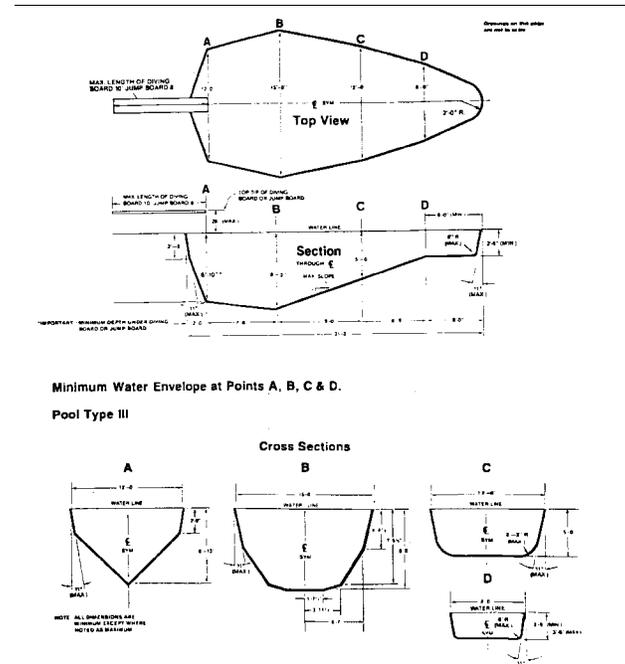
(d) This subsection contains Figure No. 4-5, minimum dimensions for a Type I pool.



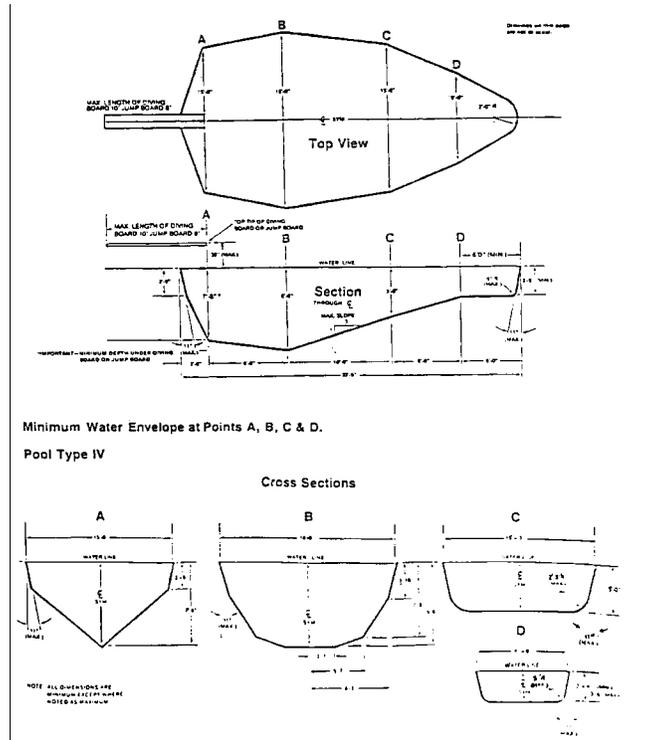
(e) This subsection contains Figure No. 4-6, minimum dimensions for a Type II pool.



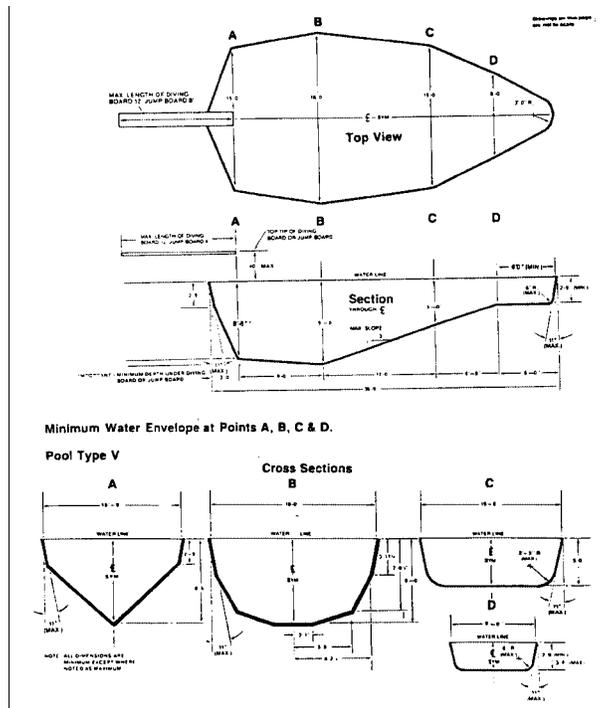
(f) This subsection contains Figure No. 4-7, minimum dimensions for a Type III pool.



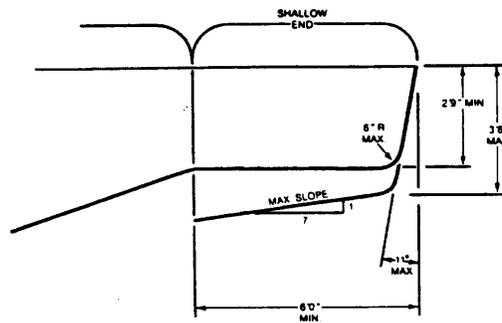
(g) This subsection contains Figure No. 4-8, minimum dimensions for a Type IV pool.



(h) This subsection contains Figure No. 4-9, minimum dimensions for a Type V pool.



(i) This subsection contains Figure No. 4-10, shallow end detail for pool Types II through V.



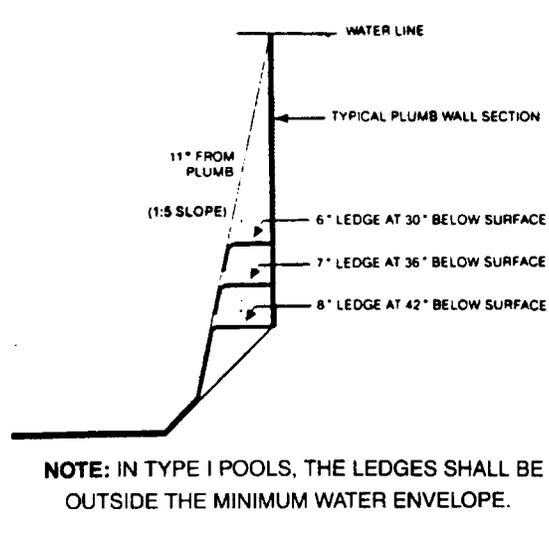
(Fire Prevention and Building Safety Commission; 675 IAC 20-4-10; filed Aug 14, 1989, 9:00 a.m.: 13 IR 65, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 20-4-11 Offset ledges and underwater seat benches**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 11. (a) Offset ledges, when provided, shall fall within eleven (11) degrees from plumb starting at the junction of the pool wall and waterline and shall have a slip-resisting surface. Maximum width shall be eight (8) inches. The typical allowable dimensions are based on the depths shown below:



(b) Underwater seat benches, where provided, shall have a maximum horizontal seat bench depth of twenty (20) inches below the waterline, be visually set apart, have a slip-resisting surface, and shall be located fully outside of the required minimum diving water envelope if the pool is designed for use with manufactured diving equipment. Underwater seat benches shall be permitted in the deep end of the pool only if they are either completely recessed, shaped to be compatible with the slope of the pool wall, or in a corner of the pool. (*Fire Prevention and Building Safety Commission; 675 IAC 20-4-11; filed Aug 14, 1989, 9:00 a.m.: 13 IR 72, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-4-12 Decks and deck equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 12. (a) Deck work shall be designed and installed so as to include the quality of subbase, concrete mix design, reinforcing, joints, and finishes. Work performed in accordance with the recommended practices of the American Concrete Institute (ACI) Standard 302.1R-80, "Guide for Concrete Floor and Slab Construction", may be deemed acceptable.

- (b) Decks, ramps, coping, and similar step surfaces shall be slip-resisting and easily cleanable.
- (c) Special features in or on decks such as markers, brand insignias, or similar features shall conform to this section.
- (d) Steps outside the pool perimeter shall be in accordance with 675 IAC 14, the Indiana One and Two Family Dwelling Code.
- (e) Excavation areas shall be adequately compacted when they support the deck(s).
- (f) Decks shall be sloped to effectively drain either to perimeter areas or to deck drains. Drainage shall remove pool splash water, deck cleaning water, and rainwater without leaving standing water.
- (g) The minimum slope of decks shall be:
  - (1) one-eighth (1/8) inch per one (1) foot (1/8:12) for textured, hand-finished concrete decks;
  - (2) one-fourth (1/4) inch per one (1) foot (1/4:12) for exposed aggregate concrete decks; and
  - (3) one-half (1/2) inch per one (1) foot (1/2:12) for indoor/outdoor carpeting decks.
- (h) The maximum slope for all decks other than wood decks shall be one (1) inch per foot except for ramps. The maximum slope for wood decks shall be one-eighth (1/8) inch per foot except for ramps. Expansion gaps shall be based on good engineering practices with respect to the type of wood used.
- (i) The maximum voids between adjoining concrete slabs and/or between concrete slabs and expansion joint material shall be three-sixteenths (3/16) inch of horizontal clearance with a maximum difference in vertical elevation of one-fourth (1/4) inch.

(j) Construction joints where pool coping meets concrete decks shall be watertight and shall not allow water to pass to the ground beneath.

(k) The areas where the decks join pool coping shall be designed and installed so as to protect the coping and its mortar bed from damage as a result of reasonable movement of adjoining decks.

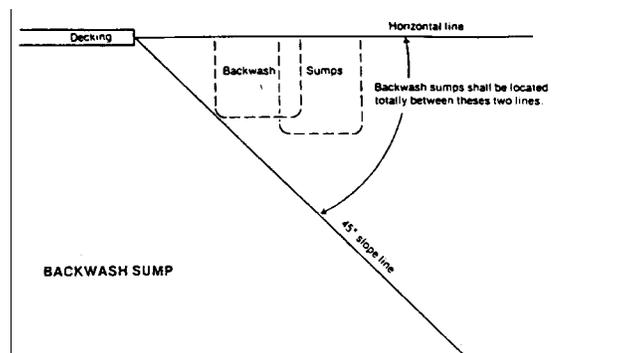
(l) Joints in decks shall be provided to minimize the potential for cracks due to a change in elevations, separation of surfaces, or movement of the slab.

(m) The areas where decks join concrete work shall be protected by expansion joints to protect the pool adequately from the pressures of relative movements.

(n) Decks shall be edged, have a radius, or be otherwise relieved to eliminate sharp corners.

(o) Site drainage shall be provided so as to direct all perimeter deck drainage as well as general site and roof drainage away from the pool.

(p) If used, an open pit or leaching design for backwash sump purposes shall be located so that it falls completely below adjacent decks and fully outside a line projected forty-five degrees (45°) downward and away from such decks as shown below.



*(Fire Prevention and Building Safety Commission; 675 IAC 20-4-12; filed Aug 14, 1989, 9:00 a.m.: 13 IR 73, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-13 Circulation piping**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 13. (a) Circulation system piping, other than that integrally included in the manufacture of the pool, shall be subject to an induced static hydraulic pressure test (sealed system) at twenty-five (25) pounds per square inch for thirty (30) minutes. This test shall be performed before the deck is poured, and the pressure shall be maintained through the deck pour.

(b) Valves installed in or under any decks shall provide a minimum ten (10) inches diameter access cover and valve pit to facilitate servicing.

(c) A hose bibb with a vacuum breaker shall be provided for washing down the entire deck area. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-13; filed Aug 14, 1989, 9:00 a.m.: 13 IR 74, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-14 Pool egress**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 14. (a) All pools shall have a means of entry/exit in the shallow end consisting of one (1) ladder, stairs, or recessed treads. Where two (2) or more entries/exits are used, the ladders, stairs, or recessed treads may be used in combination. All treads shall have

slip-resisting surfaces.

(b) Where water depths are twenty-four (24) inches or less at the pool wall, such areas shall be considered as providing their own natural mode for entry/exit.

(c) For pools over thirty (30) feet in width, both sides of the deep portions of the pool shall have entries/exits provided.

(d) A means of entry/exit for the shallow end shall be located between the shallow end wall and the cross section at point "D". Where required, entry/exit for the deep end shall be between the deep end wall and the cross section at point "B". (Refer to section 9(b) of this rule, Figure No. 4-1.)

(e) Ladders, stairs, recessed treads, or underwater seat benches/swimouts shall be provided at the deep end of the pool if the water depth is over five (5) feet.

(f) The design and construction of protruding and recessed pool stairs shall conform to the following:

(1) Step treads shall have a minimum unobstructed horizontal depth of ten (10) inches and a minimum unobstructed surface area of two hundred forty (240) square inches.

(2) Risers at the center line of the treads shall have a maximum uniform height of twelve (12) inches with the bottom riser height allowed to vary plus or minus two (2) inches from the uniform riser height.

(3) The vertical distance between the pool coping edge, deck, or step surface, which shall be slip-resisting, and the uppermost step tread shall be a maximum of twelve (12) inches.

(g) If handrails are used with stairs, they shall conform to the following:

(1) Handrails, if removable, shall be installed in such a way that they cannot be removed without the use of tools.

(2) The leading edge of handrails facilitating stairs and pool entry/exit shall be no more than eighteen (18) inches plus or minus three (3) inches horizontally from the vertical plane of the bottom riser, where applicable.

(3) The outside diameter of handrails shall be between one (1) inch and two (2) inches.

(h) Underwater seats, benches, or swimouts may be provided as part of the stairs or recessed treads.

(i) The design and construction of pool ladders shall conform to the following:

(1) Pool ladders shall be made entirely of corrosion-resisting materials.

(2) Ladders shall provide two (2) handholds or two (2) handrails.

(3) Below the water level, there shall be a clearance of not more than six (6) nor less than three (3) inches between any ladder tread edge measured from the pool wall side of the tread and the pool wall.

(4) The clear distance between ladder handrails shall be a minimum of seventeen (17) inches and a maximum of twenty-four (24) inches.

(5) There shall be a uniform height between ladder treads with a seven (7) inch minimum distance and a twelve (12) inch maximum distance.

(6) Ladder treads shall have a minimum horizontal depth of one and one-half (1 1/2) inches.

(7) The vertical distance between the top tread and the pool coping or deck shall be a maximum of twelve (12) inches.

(j) The design and construction of recessed treads in the pool wall shall conform to the following:

(1) Recessed treads at the center line shall have a uniform vertical spacing of twelve (12) inches maximum and seven (7) inches minimum.

(2) The vertical distance between the pool coping edge, deck, or step surface and the uppermost recessed tread shall be a maximum of twelve (12) inches.

(3) Recessed treads shall have a minimum depth of five (5) inches and a minimum width of twelve (12) inches.

(4) Recessed treads shall drain into the pool to prevent accumulation of dirt.

(5) Each set of recessed treads shall be provided with a pair of handrails/grabrails/handholds to serve all treads and risers.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-4-14; filed Aug 14, 1989, 9:00 a.m.: 13 IR 74, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

### **675 IAC 20-4-15 Diving equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 15. (a) Supports, platforms, stairs, and ladders for manufactured diving equipment shall be designed to carry the

anticipated loads. Stairs and ladders shall be of corrosion-resisting material, easily cleanable, and with slip-resisting tread. All manufactured diving stands higher than twenty-one (21) inches measured from the deck to the top butt end of the board shall be provided with stairs and/or a ladder. Step treads shall be self-draining.

(b) Platforms and manufactured diving equipment of one (1) meter or higher shall be protected with guard rails which shall be at least thirty (30) inches above the diving board and extend to the edge of the pool wall.

(c) Manufactured diving equipment shall be designed for swimming pool use and shall be installed in accordance with the manufacturer's recommendations provided with the equipment.

(d) A label shall be permanently affixed to the manufactured diving equipment or jump board and shall include not less than:

- (1) manufacturer's name and address;
- (2) board equipment length;
- (3) identification as to diving or jump board;
- (4) fulcrum setting specifications, if applicable;
- (5) date of manufacture; and
- (6) reference to manufacturer's safety standard, if any, that the board will meet.

(e) Manufactured diving equipment suitable for installation on a lower pool type may be installed on any higher pool type providing no less a water envelope is provided from the tip of the board than called for in the lower type. Manufactured diving equipment of a greater type, e.g., Type III, shall not be installed on a pool of lesser type, e.g., Type II. In addition, the following provisions apply:

- (1) Manufactured diving equipment shall have slip-resisting tread surfaces.
- (2) Manufactured diving equipment shall be permanently anchored to the pool deck. The edge of the board at the tip end shall be level with the water surface. The tip end of the board over the pool water surface may be higher than the butt end of the board. Refer to manufacturer's recommendations.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-4-15; filed Aug 14, 1989, 9:00 a.m.: 13 IR 75, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

#### **675 IAC 20-4-16 Swimming pool slides**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 16. (a) The requirements of the U.S. Consumer Product Safety Commission (CPSC) Standard for Swimming Pool Slides as published in 16 C.F.R. 1207, shall be used for standards relating to swimming pool slides.

(b) Swimming pool slides in residential swimming pools shall terminate such that the following applies:

- (1) The end of the slide is not more than twelve (12) inches above the pool deck.
- (2) The depth of the water at the end of the slide meets the manufacturer's recommendations or thirty-six (36) inches, whichever is greater.
- (3) The distance from the end of the slide is not less than twenty (20) feet measured along the axis of travel.
- (4) The depth of water described in subdivision (2) or a gradually increasing depth shall be maintained for not less than ten (10) feet beyond the end of the slide. This depth of water may gradually decrease beyond that point to a minimum water depth of twenty-four (24) inches. For this requirement a maximum slope of one (1) in seven (7) (1:7) shall be considered "gradual".

(c) Swimming pool slides shall be installed in accordance with the manufacturer's installation instructions and specifications.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-4-16; filed Aug 14, 1989, 9:00 a.m.: 13 IR 76, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

#### **675 IAC 20-4-17 Circulation system**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 17. (a) A circulation system consisting of pumps, piping, return inlets and suction outlets, filters, and other necessary

equipment shall be provided for complete circulation of water through all parts of the pool. This circulation system shall be capable of maintaining water clarity and chemistry requirements.

(b) The equipment shall be of adequate size to turn over the entire pool water capacity at least once every twelve (12) hours. Water clarity shall be maintained. When standing at the pool's edge at the deep end, the deepest portion of the pool floor shall be visible.

(c) Circulation system components which require replacement or servicing shall be accessible for inspection, repair, or replacement and shall be installed according to the manufacturer's instructions.

(d) Pool equipment shall be properly supported to prevent damage from misalignment, settlement, etc. The equipment shall be mounted so as to minimize the potential for the accumulation of debris and moisture following manufacturer's instructions.

(e) The water velocity in the pool piping shall not exceed ten (10) feet per second for discharge piping and eight (8) feet per second for suction piping, unless summary calculations are provided to show that the greater flow is possible with the pump and piping provided. In copper pipes, the velocity shall not exceed eight (8) feet per second for suction and discharge piping. Pool piping shall be sized to permit the rated flows for filtering.

(f) The circulation system piping and fittings shall be nontoxic, shall be considered to be process piping, and shall be of material able to withstand operating pressures and operating conditions.

(g) Equipment shall be designed and fabricated to drain the pool water from the equipment, together with exposed face piping, by removal of drain plugs and manipulating valves, or by other methods. Refer to manufacturer's recommendations for specific information on draining the system.

(h) A pressure or vacuum gauge or other means of indicating system condition shall be provided in the circulation system in an easily readable location.

(i) Time clocks may be used to set the operating period of the circulation system. When time clocks are used, they shall also govern the operating time of appurtenant devices such as chemical/disinfectant feeders, slurry feeders, heaters, etc., that are dependent upon circulation pump flow.

(j) Written operation and maintenance instructions shall be provided for the circulation system. (*Fire Prevention and Building Safety Commission; 675 IAC 20-4-17; filed Aug 14, 1989, 9:00 a.m.: 13 IR 76, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

#### **675 IAC 20-4-18 Filters**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 18. (a) Filters shall be designed so that after cleaning per manufacturer's instructions the system can provide the water clarity noted in section 17(a) of this rule.

(b) Filters shall be designed so that filtration surfaces can be inspected and serviced.

(c) On pressure-type filters, a means shall be provided to permit the release of internal pressure.

(d) Any filter incorporating an automatic internal air release as its principal means of air release shall have lids which provide a slow and safe release of pressure as a part of its design.

(e) Any separation tank used in conjunction with any filter tank shall have a manual means of air release or a lid which provides a slow and safe release of pressure as it is opened as a part of its design.

(f) Pressure filters and separation tanks shall have operation and maintenance instructions permanently installed on the filter or separation tank and shall include a precautionary statement warning not to start up the system after maintenance without first opening the air release and proper reassembly of the filter and separation tank. The statement shall be visible and noticeable within the area of the air release.

(g) Piping furnished with the filter shall be of suitable material capable of withstanding one and one-half (1 1/2) times the working pressure. The suction piping shall not collapse when there is a complete shutoff of flow on the suction side of the pump. (*Fire Prevention and Building Safety Commission; 675 IAC 20-4-18; filed Aug 14, 1989, 9:00 a.m.: 13 IR 77, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 677; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-4-19 Pumps**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 19. (a) A pump and motor shall be provided for circulation of the pool water. Performance of all pumps shall meet or exceed the conditions of flow required for filtering; cleaning, if applicable; and the filters against the total dynamic head developed by the complete system.

(b) With all pressure filter systems a cleanable strainer or screen shall be provided upstream of the circulation pumps to remove solids, debris, hair, lint, etc.

(c) Pumps and motors shall be accessible for inspection and service.

(d) The design and construction of the pumps and component parts shall provide safe operation that is not hazardous to the operator or maintenance personnel.

(e) Where a mechanical pump seal is provided, components of the seal shall be corrosion-resisting and capable of operating under conditions normally encountered in pool operation.

(f) Proper direction of rotation for the pump shall be clearly indicated on the pump.

(g) All motors shall have as a minimum an open drip-proof enclosure and be constructed electrically and mechanically to perform satisfactorily and safely under the conditions of load and environment normally encountered in swimming pool installations.

(h) Motors shall be capable of operating the pumps under full load with a voltage variation of plus or minus ten percent (10%) from the nameplate rating. If the maximum service factor of the motor is exceeded (at full voltage), the manufacturer shall indicate this on the pump curve.

(i) All motors shall have thermal or current overload protection, either built in or in the line starter, to provide locked rotor and running protection.

(j) Where the pump is below the waterline, valves shall be installed on permanently connected suction and discharge lines, located in an accessible place outside the walls of the pool, where they shall be readily and easily accessible for maintenance and removal of the pump. (*Fire Prevention and Building Safety Commission; 675 IAC 20-4-19; filed Aug 14, 1989, 9:00 a.m.: 13 IR 77, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 677; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 20-4-20 Return inlets and suction outlets**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 20. (a) Return inlets and suction outlets shall be provided and arranged to produce a uniform circulation of water and maintain a uniform disinfectant residual throughout the entire pool. Where skimmers are used, the return inlets shall be located so as to help bring floating particles within range of the skimmers.

(b) The number of return inlets shall be based on a minimum of one (1) return inlet per six hundred (600) square feet of pool surface area, or fraction thereof. Return inlet fittings shall be installed of sufficient pipe size or quantity to allow a full design turnover rate of the circulation system in accordance with the manufacturer's recommendations for return inlets.

(c) Return inlets from the circulation system shall be designed so as not to constitute a hazard to the bather.

(d) The pool shall not be operated if the suction outlet grate is missing, broken, or secured in such a way that it can be removed without the use of tools.

(e) If the suction outlet system, such as a filtration system, booster system, automatic cleaning system, solar system, etc., has a single suction outlet, or multiple suction outlets which can be isolated by valves, each suction outlet shall protect against bather entrapment by:

(1) an antivortex cover;

(2) a twelve (12) inch by twelve (12) inch (12x12) grate or larger; or

(3) other means acceptable to the local authority.

(f) Where provided, the vacuum cleaner fittings shall be located in accessible positions at least six (6) inches and no greater than eighteen (18) inches below the minimum operating water level or as an attachment to the skimmers. (*Fire Prevention and*

*Building Safety Commission; 675 IAC 20-4-20; filed Aug 14, 1989, 9:00 a.m.: 13 IR 78, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-21 Surface skimmer systems**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 21. (a) A surface skimming system shall be provided on all residential swimming pools and shall be designed and constructed to skim the pool surface when the water level is maintained within the operational parameters of the system's rim or weir device.

(b) Skimming devices shall be designed and installed so as not to constitute a hazard to the bather.

(c) Where automatic surface skimmers are used as the sole overflow system, at least one (1) surface skimmer shall be provided for each eight hundred (800) square feet or fraction thereof of the water surface area. Nominal recessed areas such as stairs, swimouts, spas, etc., shall not be considered in the calculation. Where skimmers are used, they shall be located to maintain effective skimming action over the entire surface of the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-21; filed Aug 14, 1989, 9:00 a.m.: 13 IR 78, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-22 Electrical requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 22. The requirements of 675 IAC 17, the Indiana Electrical Code, shall be followed in the installation of all electrical equipment wiring or appliances in the pool area or vicinity of the pool's circulation system. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-22; filed Aug 14, 1989, 9:00 a.m.: 13 IR 78, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-23 Heaters**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 23. (a) Swimming pool heaters shall be of an "approved" type.

(b) Heaters shall be properly sized.

(c) The heaters shall be installed according to the manufacturer's recommendations, but not less than the following:

(1) The heater shall be installed on a concrete (or equivalent) base unless it is specifically designed for installation on a combustible surface.

(2) When installing the heater, adequate clearances shall be maintained on all sides and over the top of the unit. Consult manufacturer's instructions for proper clearances.

(3) In order to assure proper combustion, the heater shall have adequate ventilation installed as follows:

(A) When installing a heater indoors, proper openings to the room are required. The heater shall be installed in accordance with 675 IAC 18, the Indiana Mechanical Code, and the manufacturer's recommendations for properly sized air openings to the enclosure.

(B) All fossil fuel heaters shall be supplied with some type of venting system for either indoor or outdoor installation. These draft or venting devices shall be installed according to the manufacturer's recommendations and shall not be modified.

(C) When installing a heater that will be using propane gas, special precautions shall be noted. Propane gas is heavier than air and, therefore, can create special problems when the heater is installed in a pit or in an enclosed area. Whenever

installing a heater with propane gas, the manufacturer's ventilation recommendations shall be followed.

(d) The heater gas supply and pipe sizing shall be adequate and shall comply with manufacturer's recommendations. When installing a gas-fired heater, the gas line shall be run from the gas meter as directly as practical.

(e) The heater circulation system shall comply with the manufacturer's recommendations. Precautions shall be taken to avoid siphonage of hot water into the pump or filter. When manufacturers recommend metal pipe, i.e., copper, heat sinks, they shall be installed vertically connected to the heater to prevent heat damage to plastic circulation pipe. Heater piping shall be designed to avoid excessive friction losses through the pipe and/or bypass valves required. When installing bypass valves, caution shall be taken to insure adequate flow through the heater at all times.

(f) The water piping system shall be installed according to the manufacturer's recommendations. When manufacturers recommend precautions to eliminate siphonage so that the heater does not destroy the filter or any plastic pipe that is being used, the manufacturer's recommendations shall be followed. NOTE: When installing a heater and a filter system, adequate provisions shall be made so that the heater does not cause excessive pressure drop to the filter system. Refer to manufacturer's requirements and/or recommendations for installation of bypass valves. Excessive flow that causes pressure drop can be eliminated by the installation of an external or an automatic bypass valve. When installing a bypass valve, caution shall be noted so that there is always adequate flow through the heater.

(g) A time clock is recommended, and when used it shall be set long enough to properly filter the water and allow enough time for proper heating of the pool. It is recommended that a dual time clock or fireman's switch be used in conjunction with the heater to shut the heater off approximately one-half (1/2) hour before the filter system shuts down. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-23; filed Aug 14, 1989, 9:00 a.m.: 13 IR 79, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-24 Water supply**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 24. (a) The water supply serving the pool, which may come from a variety of sources, shall meet 327 IAC, the rules of the water pollution control board, before the bather uses the pool.

(b) No direct mechanical connection shall be made between the potable water supply and the swimming pool, chlorinating equipment, or the system of piping for the pool unless it is protected against backflow and siphonage in a manner approved by 675 IAC 16, the Indiana Plumbing Code, or through an airgap meeting that same code.

(c) An over-the-rim spout, if used, shall be located under a diving board, adjacent to a ladder, or otherwise properly shielded so as not to create a hazard. Its open end shall have no sharp edges and shall not protrude more than two (2) inches beyond the edge of the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-24; filed Aug 14, 1989, 9:00 a.m.: 13 IR 79, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-25 Waste water disposal**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 25. Backwash water shall be discharged into a sanitary sewer through an approved airgap or into an approved subsurface disposal system or by other means in accordance with 675 IAC 16, the Indiana Plumbing Code, and 327 IAC, the rules of the water pollution control board. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-25; filed Aug 14, 1989, 9:00 a.m.: 13 IR 80, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 20-4-26 Disinfectant; oxidation; chemical feeder equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 26. (a) Disinfectant equipment, oxidation equipment, and chemical feeders, hereafter referred to jointly as "equipment", shall be capable of precisely introducing a sufficient quantity of an approved disinfecting agent or other chemical to maintain one (1) milligram per liter of free chlorine residual.

(b) Manufacturer's instructions shall be used in installing chemical feeders. The installation and use of chemical feeders shall conform to the following:

(1) Where using chemical feeders, it is extremely important that they be installed downstream from the filter and heater. An exception is equipment specifically labeled for feeding to the suction side of the pump.

(2) If the chemical feeder is equipped with its own pump, it shall be installed so it introduces the gas or solution downstream from the heater and, if possible, at a position lower than the heater outlet fitting.

(3) Chemical feed pumps shall be wired so they cannot operate unless the filter pump is running. If the chlorinator has an independent timer, the filter and chemical feed pump timers shall be interlocked.

(c) The installation of ozone generating equipment shall be limited to low ozone output generating equipment. The installation and use of ozone generating equipment shall conform to the following:

(1) Installation of ozone generating equipment shall allow for indications of operation or malfunction to be easily observed. The equipment shall be installed in a manner such that a malfunction will not endanger operators or pool users.

(2) Ozone generating equipment shall be used in conjunction with other chemical treatments to meet the chemical operating parameters in this section of this rule. Normal maintenance and monitoring of water chemistry shall be followed.

(3) If the equipment is capable of exposing maintenance or service personnel to ozone concentrations exceeding five hundred (500) parts per million, a self-contained breathing apparatus approved for ozone usage shall be provided. If a distinct, pungent odor is smelled when the ozone generating equipment is operating, the equipment shall be shut down, and the area shall be ventilated. The equipment shall be inspected and repaired as necessary by qualified service personnel.

(4) Manufacturer's recommendations shall be used to determine where and how ozone shall be injected.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-4-26; filed Aug 14, 1989, 9:00 a.m.: 13 IR 80, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

#### **675 IAC 20-4-27 Safety features**

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 27. (a) A residential pool shall be provided with a suitable handhold around its perimeter in areas where depths exceed three (3) feet six (6) inches. Handholds shall be provided no further apart than four (4) feet and shall consist of any one (1) or a combination of items listed as follows:

(1) Coping, ledge, or deck along the immediate top edge of the pool which provides a slip-resisting surface of at least four (4) inches minimum horizontal width and located at or not more than twelve (12) inches above the waterline.

(2) Ladders, stairs, or seat ledges.

(3) A secured rope or railing placed at or not more than twelve (12) inches above the waterline.

(b) Rope anchor devices shall be installed at a minimum of one (1) foot and a maximum of two (2) feet on the shallow end side of a point of change in floor slope. In pools where the slope change occurs in water depths less than four (4) feet six (6) inches, a transition rope supported by buoys shall be installed.

(c) Access to residential pools shall be restricted by one (1) of the following means:

(1) Walls or fencing not less than five (5) feet high and completely surrounding the pool and deck area with the exception of self-closing and latching gates and doors, both capable of being locked.

(2) Other means not less than five (5) feet high and deemed impenetrable by the enforcing authority at the time of construction and completely surrounding the pool and deck area when the pool is not in use.

(3) A combination of subdivisions (1) and (2) that completely surrounds the pool and deck with the exception of self-closing and latching gates and doors which are capable of being locked. This applies to subdivisions (1) and (2) and this subdivision only.

(4) A power safety pool cover which shall:

(A) provide a continuous connection between the cover and the deck, so as to prohibit access to the pool when the cover

is completely drawn over the pool;

(B) be mechanically operated by a key or key and switch such that the cover cannot be drawn open or retracted without the use of a key;

(C) is installed with track, rollers, rails, guides, or other accessories necessary to accomplish clauses (A) and (B), in accordance with the manufacturer's instructions; and

(D) bear an identification tag indicating that the cover satisfies the requirements of ASTM F 1346 for power safety pool covers.

(d) Not less than the following lifesaving equipment shall be installed with each residential swimming pool:

(1) A ring or throwing buoy fitted with forty (40) feet of one-fourth (1/4) inch diameter line.

(2) A pole not less than twelve (12) feet in length.

(3) Access to a telephone.

*(Fire Prevention and Building Safety Commission; 675 IAC 20-4-27; filed Aug 14, 1989, 9:00 a.m.: 13 IR 80, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; filed Dec 11, 1992, 5:00 p.m.: 16 IR 1390; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

## **ARTICLE 21. SAFETY CODES FOR ELEVATORS, ESCALATORS, MANLIFTS AND HOISTS**

### **Rule 1. Administration**

#### **675 IAC 21-1-1 Installation and alteration permit; registration; application; expiration**

Authority: IC 22-13-2-13; IC 22-15-5-2

Affected: IC 22-12-6-9; IC 22-13; IC 22-14; IC 22-15-5-3

Sec. 1. (a) An installation permit is required prior to commencement of work for an installation of a new regulated lifting device. An alteration permit is required prior to commencement of work for an alteration to an existing regulated lifting device.

(b) An application for an installation or alteration permit shall be made to the office of the state building commissioner on forms provided by the office. Each application shall contain the following:

(1) The name, address, e-mail address, and fax number of the elevator contractor that will be installing or altering the regulated lifting device, and if applicable, the license number of the elevator contractor.

(2) The name, address, and e-mail address of the owner of the building in which the new regulated lifting device is being installed or the existing regulated lifting device is being altered.

(3) The name, address, and e-mail address of the user of the regulated lifting device.

(4) All information required under IC 22-15-5-3(c) for registration of the regulated lifting device. This includes the following for the regulated lifting device:

(A) The type.

(B) The rated load and speed.

(C) The name of the manufacturer.

(D) The location.

(E) The nature of use.

(5) Complete plans, including:

(A) copies of specifications and accurately scaled and fully dimensioned plans showing the location of the installation in relation to the plans and elevation of the building;

(B) plans showing the location of the machine room and the equipment to be installed, relocated, or altered;

(C) plans showing the structural supporting members, including foundations; and

(D) a specification of all materials employed and loads to be supported or conveyed.

These plans must be sufficient to show that the installation or alteration will comply with all applicable equipment laws and must be sufficiently complete to illustrate all details of construction and design.

(6) The required fee.

(7) The affirmations by the appropriate signatories as required under section 1.5 of this rule.

*(Fire Prevention and Building Safety Commission; 675 IAC 21-1-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 38, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 285; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1083)*

**675 IAC 21-1-1.5 Signatories; affirmation**

Authority: IC 22-13-2-13

Affected: IC 22-13; IC 22-14; IC 22-15-5-3

Sec. 1.5. (a) All signatories to an application shall be determined as follows:

(1) For a corporation, the signatory shall be a responsible corporate officer. For the purpose of this section, a responsible corporate officer means a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policymaking or decision-making functions for the corporation.

(2) For a partnership or sole proprietorship, the signatory shall be a general partner or the proprietor, respectively.

(3) For a municipality, state, or other public agency, the signatory shall be a principal executive officer or ranking elected official.

(b) Alternatively, a duly authorized representative of a signatory listed under subsection (a) may be the signatory on the application. A person is a duly authorized representative only if:

(1) the authorization is made in writing by an individual described in subsection (a);

(2) the authorization specifies either an individual or a position having responsibility for the regulated lifting device such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for building and fire safety matters for the company; and

(3) the written authorization is submitted to the office, if requested.

(c) The elevator contractor that is responsible for the installation or alteration of the regulated lifting device shall make the following affirmation on an application for an installation or alteration permit: "I affirm, under penalty of perjury, the following:

(1) This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

(2) The regulated lifting device will be installed or altered in accordance with all applicable statutes and rules adopted by the commission and will not be changed from the design specified in the plans and specifications submitted with the application and released by the office.

(3) All individuals installing or altering the regulated lifting device:

(A) have sufficient background, knowledge, skills, and training to install or alter, inspect, and maintain the regulated lifting device;

(B) have the training and expertise necessary to recognize and report any condition that could result in the unsafe operation of the regulated lifting device;

(C) are provided with sufficient ongoing training to reasonably ensure that the individuals are proficient in the standards affecting regulated lifting devices that have been adopted by the commission; and

(D) possess the requisite authority and are required to immediately suspend the operation of the regulated lifting device upon discovering a condition that could result in the unsafe operation of the regulated lifting device, and to report the discovery of such a condition to the office."

(d) The designated signatories shall make the following affirmation on an application for an initial or renewal operating certificate:

(1) The owner of the building in which the regulated lifting device is located shall make an affirmation that reads, "I affirm, under penalty of perjury, the following:

(A) This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

(B) The regulated lifting device will be maintained and repaired in accordance with all applicable statutes and rules adopted by the commission.

(C) If an elevator contractor performed the safety tests of the regulated lifting device, this contractor was chosen under my direction and to the best of my knowledge and belief, after exercising due diligence, has the expertise necessary to install or alter the regulated lifting device in accordance with the rules adopted by the commission.

(D) I hereby grant the authority to and require all individuals employed by either the elevator contractor or the owner to immediately suspend the operation of the regulated lifting device upon discovering a condition that could result in the unsafe operation of the regulated lifting device, and to report the discovery of such a condition to the office.”

(2) If an elevator contractor performed the safety tests of the regulated lifting device, this contractor shall make an affirmation that reads, “I affirm, under penalty of perjury, the following:

(A) This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

(B) The regulated lifting device is in compliance with all applicable equipment and building laws.

(C) All individuals responsible for performing these safety tests of the regulated lifting device:

(i) have sufficient background, knowledge, skills, and training to perform these tests on the regulated lifting device;

(ii) have the training and expertise necessary to recognize and report any condition that could result in the unsafe operation of the regulated lifting device;

(iii) are provided with sufficient ongoing training to reasonably ensure that the individuals are proficient in the standards affecting regulated lifting devices that have been adopted by the commission; and

(iv) possess the requisite authority and are required to immediately suspend the operation of the regulated lifting device upon discovering a condition that could result in the unsafe operation of the regulated lifting device, and to report the discovery of such a condition to the office.”

*(Fire Prevention and Building Safety Commission; 675 IAC 21-1-1.5; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1084)*

**675 IAC 21-1-2 Variances; interpretations (Repealed)**

*Sec. 2. (Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

**675 IAC 21-1-2.1 Inspection and test periods (Repealed)**

*Sec. 2.1. (Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

**675 IAC 21-1-3 Acceptance inspections (Repealed)**

*Sec. 3. (Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

**675 IAC 21-1-3.1 Operating certificate; display; location**

Authority: IC 22-13-2-13; IC 22-15-5-4; IC 22-15-5-5

Affected: IC 22-12-6-9; IC 22-13; IC 22-14; IC 22-15

Sec. 3.1. (a) A regulated lifting device may not be operated without an operating certificate that covers the operation of the regulated lifting device. However, an individual who is performing maintenance on, repairing, installing, or altering the regulated lifting device may use the regulating lifting device without an operating certificate to the extent necessary to complete the work and required testing.

(b) The office shall issue an initial operating certificate for a regulated lifting device if:

(1) the applicant for the operating certificate has:

(A) demonstrated through an acceptance inspection and tests that the regulated lifting device complies with the laws governing its construction, repair, maintenance, and operation. This acceptance inspection must be conducted by a licensed inspector;

(B) submitted a notice of compliance/completion to the office that has been completed and signed and affirmed by the appropriate signatory as required under section 1.5 of this rule;

(C) paid the required fee; and

(2) been inspected by the office and the office has determined that the regulated lifting device complies with the laws governing its construction, repair, maintenance, and operation.

(c) The office shall issue a renewal operating certificate for a regulated lifting device if the applicant:

(1) demonstrates through the completion of applicable safety tests that the regulated lifting device complies with the laws governing the construction, repair, maintenance, and operation of the regulated lifting device; and

(2) has paid the required fee.

(d) Upon receiving an initial or renewal operating certificate, a copy of the initial or renewal operating certificate shall be displayed in or on each regulated lifting device or in an associated machine room. *(Fire Prevention and Building Safety Commission; 675 IAC 21-1-3.1; filed Sep 27, 1989, 4:30 p.m.: 13 IR 286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1085)*

#### **675 IAC 21-1-4 Periodic inspections; reports; compliance orders (Repealed)**

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

#### **675 IAC 21-1-5 Existing installations; maintenance**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. All existing installations for which an operating permit is in effect shall be maintained in a safe operating condition or shall be taken out of service. All parts of existing installations upon which safe operation is dependent, shall be maintained in proper working order. Broken, worn or otherwise defective components shall be promptly replaced. All electrical equipment and communication systems shall be maintained in a serviceable condition. *(Fire Prevention and Building Safety Commission; 675 IAC 21-1-5; filed Aug 30, 1985, 11:52 am: 9 IR 39, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

#### **675 IAC 21-1-6 Limited certificates of operation (Repealed)**

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

#### **675 IAC 21-1-7 Accident reports and investigations**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. (a) An accident involving a regulated lifting device shall be reported by the owner of the regulated lifting device within twenty-four (24) hours after the accident has occurred. This initial report shall contain, to the extent available, the information specified in subsection (b)(1) through (b)(8).

(b) The owner shall submit a final written accident report to the office as soon as possible after the accident has occurred, but in any event no later than two (2) weeks after the date of the accident. The following information shall be included in the final written accident report:

(1) Registration number of the regulated lifting device.

(2) Owner and operator of the regulated lifting device.

(3) The names, address, and phone numbers of all persons responsible for the maintenance or repair of the regulated lifting device.

(4) Location of the regulated lifting device.

(5) Names, addresses, and phone numbers of any persons injured.

(6) Date and time of the accident.

(7) Operating condition of the installation as known.

- (8) Brief details of the accident.
- (9) Police report, if it exists.
- (10) Fire department report, if it exists.
- (11) Emergency medical report, if it exists.
- (12) Any other emergency response reports.

(c) The office may request, and the owner shall provide, any additional records and information which in any way relate to an accident and shall assist the office in the investigation of any accident.

(d) The following definitions apply throughout this section:

(1) "Accident" means any occurrence involving a regulated lifting device in which:

(A) one (1) or more individuals are fatally injured or require medical treatment; or

(B) the damage to the regulated lifting device exceeds two thousand five hundred dollars (\$2,500).

(2) "First aid" means any one-time treatment, and any follow-up visit for the purpose of observation, of minor scratches, cuts, burns, splinters, and so forth, which do not ordinarily require medical care. Such one-time treatment, and follow-up visit for the purpose of observation, is considered first aid even though provided by a physician or registered professional personnel.

(3) "Medical treatment" includes treatment administered by a physician or by registered professional personnel under the standing orders of a physician (including emergency medical technicians, advanced emergency medical technicians, and paramedics). Medical treatment does not include first aid treatment even though provided by a physician or registered professional personnel.

*(Fire Prevention and Building Safety Commission; 675 IAC 21-1-7; filed Aug 30, 1985, 11:52 a.m.: 9 IR 39, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1086)*

**675 IAC 21-1-8 Fee schedule (Repealed)**

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

**675 IAC 21-1-9 Title**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 9. All codes and standards adopted or established in this article shall collectively be known as the Indiana Elevator Safety Code, 2002 edition. *(Fire Prevention and Building Safety Commission; 675 IAC 21-1-9; filed Aug 30, 1985, 11:52 a.m.: 9 IR 40, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1086)*

**675 IAC 21-1-10 Definitions**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15-5-11

Sec. 10. (a) The definitions in this section apply throughout this article.

(b) "Licensed inspector" means an individual licensed as an elevator inspector under IC 22-15-5-11. Prior to March 1, 2003, a qualified inspector may perform any inspection required to be conducted by a licensed inspector.

(c) "Qualified inspector" means an individual:

(1) certified by an organization accredited by ASME in accordance with the requirements of ASME QEI-1; or

(2) certified by an organization that the authority having jurisdiction has determined has equivalent requirements and conditions as ASME QEI-1 for obtaining and retaining such certification.

*(Fire Prevention and Building Safety Commission; 675 IAC 21-1-10; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1086)*

**Rule 2. Elevators Installed Prior to January 1, 1975 (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

**Rule 3. Elevator Safety Code**

**675 IAC 21-3-1 Adoption by reference**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. That certain document, being titled as ANSI/ASME A17.1, 2000, Safety Code for Elevators and Escalators, published by the American Society of Mechanical Engineers, Three Park Avenue, New York, New York 10016 is hereby adopted by reference and made a part of this rule as if fully set out herein, save and except those additions, deletions, and amendments as are made in section 2 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 21-3-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 41, eff Oct 1, 1985; filed Mar 6, 1986, 3:00 p.m.: 9 IR 1658; errata, 9 IR 2063; filed Sep 27, 1989, 4:30 p.m.: 13 IR 288; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1087*)

**675 IAC 21-3-2 Amendments to adopted code**

Authority: IC 22-13-2-13

Affected: IC 22-12-1-22; IC 22-12-2-10; IC 22-13-2-10; IC 22-14; IC 22-15; IC 36-7

Sec. 2. (a) Explanatory material, in the form of notes, that is not part of a table, figure, or graph, is not a part of this standard and is not enforceable as part of this rule.

(b) Delete subsection 1.1.4 Effective Date, without substitution.

(c) Delete section 1.2 Purpose and Exceptions, without substitution.

(d) Amend section 1.3 Definitions to read as follows:

(1) Add a definition to read as follows: NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(2) Add a definition to read as follows: ANSI A117.1 means the Indiana Building Code, Chapter 11, Part 1 (675 IAC 13).

(3) Change the definition of approved to read as follows: APPROVED means, as to materials, equipment, products, and construction, acceptance by the authority having jurisdiction by one (1) of the following methods:

(A) Investigation or tests conducted by recognized authorities.

(B) Investigation or tests conducted by technical or scientific organizations.

(C) Accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, products, and construction are safe for their intended purposes.

(4) Change the definition of authority having jurisdiction to read as follows: AUTHORITY HAVING JURISDICTION means the office of the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission as set forth at IC 22-13-2-10.

(5) Change the definition of building code to read as follows: BUILDING CODE means the Indiana Building Code, 675 IAC 13, for Class 1 structures except townhouses or the Indiana Residential Code, 675 IAC 14, for Class 2 structures and townhouses in effect at the time of the construction, addition, or alteration of the building or structure.

(6) Change the definition of certified to read as follows: CERTIFIED means approved.

(7) Change the definition of elevator to read as follows: ELEVATOR means a regulated lifting device as defined in IC 22-12-1-22.

(8) Change the definition of labeled/marked to read as follows: LABELED equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(9) Change the definition of listed/certified to read as follows: LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(10) Change the definition of regulatory authority to read as follows: REGULATORY AUTHORITY: See AUTHORITY HAVING JURISDICTION.

(e) Delete the text in section 2.27.8 Switch Keys, and substitute as follows: The emergency operation keys, machine room door keys, and hoistway door unlocking devices shall be placed in a heavy metal enclosure. All such keys shall be clearly identified. The enclosure shall be conspicuously located and identified by a sign stating "For Emergency Use Only". All such enclosures shall be equipped with a seven (7) pin cylindrical lock opened by a common key SI-2. Only fire officials, the authority having jurisdiction, and the elevator contractor shall be permitted to retain keys for such enclosures.

(f) Delete sections 5-3, 5-4, and 5-9 without substitution.

(g) Amend section 6.1.1.1 Protection Required to read as follows: Floor openings for escalators shall be protected against the passage of flame, heat, and/or smoke in accordance with the Indiana Building Code, 675 IAC 13.

(h) Amend subsection 6.1.2.1 Protection Required as follows:

(1) Delete "of NFPA 101, whichever is applicable (see Chapter 9)".

(2) Delete "adequate" and insert "required".

(i) Amend section 6.2.1.1 Protection Required, to read as follows: Where a moving walk penetrates a building floor, the opening shall be protected against the passage of flame, heat, and/or smoke in accordance with the provisions of the Indiana Building Code, 675 IAC 13.

(j) Amend subsection 6.2.2.1 Protection Required as follows:

(1) Delete "of NFPA 101, whichever is applicable (see Chapter 9)".

(2) Delete "adequate" and insert "required".

(k) Amend subsection 7.1.1.1 by deleting the second sentence.

(l) Amend subsection 7.1.8.2 as follows: Requirement 2.8.2.3 does not apply. Sprinklers shall be permitted in the hoistway when conforming to NFPA 13 (675 IAC 13-1). All sprinkler risers and returns shall be located outside the hoistway.

(m) Amend subsection 8.6.1.4.2 Record Availability as follows: Add "and the AUTHORITY HAVING JURISDICTION" to the end of the section.

(n) Amend subsection 8.10.1.1.1 to read as follows: A licensed inspector must conduct the acceptance inspection. A licensed inspector employed by the enforcement authority may conduct the acceptance inspection. If the enforcement authority chooses not to make this inspection, a third party licensed inspector shall make the acceptance inspection in accordance with the following:

(1) This third party licensed inspector shall sign an attestation for each test that reads, "I hereby attest under penalty for perjury that:

(A) all of the tests required by 8.10.2, 8.10.3, 8.10.4, or 8.10.5 have been completed in my presence by persons qualified to perform such services; and

(B) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration."

(2) The third party licensed inspector that performs the acceptance inspection shall not be an employee of the elevator contractor that installed or altered the regulated lifting device or that is performing the required tests.

(o) Delete section 8.10.1.1.3 in its entirety without substitution.

(p) Delete section 8.10.5.2 in its entirety without substitution.

(q) Delete section 8.11.1.1 in its entirety without substitution.

(r) Amend section 8.11.1.1.2(a) to read as follows: A qualified inspector shall attest to the Category 1, Category 3, and Category 5 Periodic Test Requirements. This qualified inspector shall sign an attestation for each test that reads, "I hereby attest under penalty for perjury that:

(A) all of the required tests have been completed by persons qualified to perform such services; and

(B) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration."

(s) Amend section 8.11.1.1.2(b) to read as follows: The owner or the owner's authorized agent shall have all of the tests required by 8.11.2, 8.11.3, 8.11.4, and 8.11.5 made by persons qualified to perform such service. For the Category 1, Category 3, and Category 5 Test Requirements, the owner or the owner's authorized agent shall have these tests attested to by a qualified inspector in the manner specified in 8.11.1.1.2(a).

(t) Amend section 8.11.1.3 to read as follows: The frequency of periodic inspections shall be established by the authority having jurisdiction and the frequency of periodic tests shall be as established in the Indiana Elevator Safety Code (675 IAC 21).

(u) Delete section 8.11.2.1 Periodic Inspection Requirements in its entirety without substitution.

(v) Delete section 8.11.3.1 Periodic Inspection Requirements in its entirety without substitution.

- (w) Delete section 8.11.4.1 in its entirety without substitution.
- (x) Delete section 8.11.5.2 in its entirety without substitution.
- (y) Delete section 8.11.5.13.1 in its entirety without substitution.
- (z) In section 9, the following definitions are applicable:
  - (1) Except as specified in subdivision (2), "latest edition" means the edition that is in effect on October 1, 2002.
  - (2) For those codes that are adopted in this article, "latest edition" means the edition that has been adopted into this article.
- (aa) Delete the following appendices without substitution:
  - (1) Appendix D.
  - (2) Appendix E.
  - (3) Appendix H.
  - (4) Appendix J.
  - (5) Appendix K.
  - (6) Appendix L.
  - (7) Appendix M.
  - (8) Appendix O.

(bb) Appendix N is adopted and amended as follows: In Table N1, delete without substitution, both columns under Periodic Inspections.

- (cc) The following appendices are adopted:
  - (1) Appendix A.
  - (2) Appendix B.
  - (3) Appendix C.
  - (4) Appendix F.
  - (5) Appendix G.
  - (6) Appendix I.

*(Fire Prevention and Building Safety Commission; 675 IAC 21-3-2; filed Aug 30, 1985, 11:52 a.m.: 9 IR 41, eff Oct 1, 1985; filed Nov 14, 1986, 9:22 a.m.: 10 IR 873, eff Jan 1, 1987; filed Sep 27, 1989, 4:30 p.m.: 13 IR 288; filed Feb 23, 1995, 11:00 a.m.: 18 IR 1832; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1087)*

### **675 IAC 21-3-3 Classification and availability of rule (Repealed)**

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290)*

### **Rule 4. Personnel Hoists**

#### **675 IAC 21-4-1 Adoption by reference**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. That certain document being titled as ANSI A10.4, 1990, American National Standard Safety Requirements for Personnel Hoists and Employee Elevators for Construction and Demolition Operations, published by the National Safety Council, 444 North Michigan Avenue, Chicago, Illinois 60611, is hereby adopted by reference and made a part of this section as if fully set out herein, save and except those additions, deletions, and amendments as are made in section 2 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 21-4-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 42, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1090)*

#### **675 IAC 21-4-2 Amendments to adopted standard**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13-2-10; IC 22-14; IC 22-15-5; IC 25-31; IC 25-4

Sec. 2. (a) Explanatory material, in the form of notes, that is not part of a table, figure, or graph, is not a part of this standard

and is not enforceable as part of this Indiana Elevator Safety Code.

- (b) Delete section 1.3, Exceptions, without substitution.
- (c) Delete section 2, References, without substitution.
- (d) In section 3, Definitions, make the following changes:
  - (1) Change the definition of APPROVED to read as follows: APPROVED means as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods:
    - (1) Investigation or tests conducted by recognized authorities.
    - (2) Investigation or tests conducted by technical or scientific organizations.
    - (3) Accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment and types of construction are safe for their intended purpose.

- (2) Add the following definitions:

AUTHORITY HAVING JURISDICTION means the office of the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission as set forth at IC 22-13-2-10. ENFORCING AUTHORITY means the office of the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission as set forth at IC 22-13-2-10. GOVERNING AUTHORITY means the office of the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission as set forth at IC 22-13-2-10. DESIGN PROFESSIONAL means an architect registered under IC 25-4 or a professional engineer registered under IC 25-31.

- (e) Amend section 4 to read as follows: Permanent passenger or freight elevators under construction, modification, or demolition may be used for carrying workers or materials or both provided that the elevators are approved for such use by the authority having jurisdiction in accordance with IC 22-15-5 and the Indiana Elevator Safety Code.

- (f) In subsection 5.4.3, delete “qualified professional engineer” and “qualified engineer” and insert “design professional” for each.

- (g) In subsection 8.1.3, make the following changes:

- (1) Delete “American National Standard National Electrical Code, ANSI/NFPA 70-1990” and insert “the Indiana Electrical Code (675 IAC 17)”.

- (2) In the last sentence, delete “ANSI/NFPA 70-1990” and insert “the Indiana Electrical Code (675 IAC 17)”.

- (h) In subsection 14.3.1, delete “Part II, section 201, Rule 201.4 of ANSI/ASME A17.1-1987” and insert “section 2.22.4 of ANSI/ASME A17.1-2000 as adopted by the Indiana Elevator Safety Code”.

- (i) In subsection 24.3.1, make the following change: In the last sentence, delete “ANSI/NFPA 70-1990” and insert “the Indiana Electrical Code (675 IAC 17)”.

- (j) In subsection 24.4, make the following change: delete “ANSI/NFPA 70-1987” and insert “the Indiana Electrical Code (675 IAC 17)”.

- (k) In subsection 26.1.1, in the second sentence, delete “A similar inspection” and insert “An acceptance inspection”.

- (l) In subsection 26.1.2, make the following amendments:

- (1) In the title, delete “Initial and Periodic Installation”.

- (2) Delete the first paragraph and insert the following: A licensed inspector must conduct the acceptance inspection and witness the full load tests required by 26.1.1. A licensed inspector employed by the authority having jurisdiction may conduct the acceptance inspection and witness these full load tests. If the authority having jurisdiction chooses not to make this inspection and witness this test, a third party licensed inspector shall conduct the required acceptance inspection and witness the full load test.

- (3) In the third paragraph, delete “can be performed by state, local, licensed authority or the manufacturer.” and insert “may be performed by a licensed inspector employed by the authority having jurisdiction. If the authority having jurisdiction chooses not to make this inspection, it shall be performed by a third party licensed inspector”.

- (4) In the fourth paragraph, insert a period after “equipment” and delete “in the presence of an inspector employed by the enforcement authority” and insert “The enforcement authority may require that these tests be conducted in the presence of a licensed inspector employed by the enforcement authority. If the enforcement authority chooses not to be present for these tests, the tests shall be performed in the presence of a third party licensed inspector.”.

(m) In subsection 26.1.3, add the following at the end of the sentence: The owner or the owner's authorized agent shall have all of the required acceptance tests made by persons qualified to perform such service. The enforcement authority may require that the acceptance tests be performed in the presence of a licensed inspector employed by the enforcement authority. If the enforcement authority chooses not to be present, then these tests shall be performed in the presence of a third party licensed inspector. The third party licensed inspector shall not be an employee of the elevator contractor that installed or altered the regulated lifting device or that is performing the required tests. The third party licensed inspector shall sign an attestation for each test that reads, "I hereby attest under penalty for perjury that:

(A) all of the required acceptance tests have been completed in my presence by persons qualified to perform such services; and

(B) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration."

(n) In section 26.3, delete "Part X, Section 1000, Rule 1000.3 of ANSI/ASME A17.1-1988" and insert "Section 8.10.2.2.5(c) of ANSI/ASME A17.1-2000 as adopted by the Indiana Elevator Safety Code (675 IAC 21)".

(o) Delete subsections 26.4.1 and replace it with the following: 26.4.1 Periodic Inspections. Periodic inspections shall be made by an inspector employed by the governing authority. The governing authority shall establish the frequency of these periodic inspections.

(p) Delete subsection 26.4.2 and replace it with the following: 26.4.2 General Requirements for Periodic Tests.

(1) Periodic tests shall be attested to by a qualified inspector.

(2) The qualified inspector identified in 26.4.2(1) shall sign an attestation for each periodic test for each regulated lifting device that reads, "I hereby attest under penalty for perjury that:

(A) all of the periodic tests required by this standard have been completed by persons qualified to perform such services; and

(B) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration."

(3) The owner or the owner's authorized agent shall have all of the required periodic tests made by persons qualified to perform such service and shall have these tests attested to by a qualified inspector in the manner specified in 26.4.2(2).

(q) Delete subsection 26.4.3 and replace it with the following: 26.4.3 Frequency of Periodic Tests. Periodic tests of hoists shall be made at intervals not to exceed three (3) months.

(r) In subsection 26.4.4, in the title, delete "Inspections and".

(s) In subsection 26.4.5, in the title, delete "Inspections and".

(t) In subsection 26.4.6, in the title, delete "Inspection" and insert "Test".

(u) In subsection 26.4.7, in the title, delete "Inspection" and insert "Test".

(v) In subsection 26.5, in the last sentence, delete "and" and insert "but the installation must be".

(w) Delete section 29 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 21-4-2; filed Aug 30, 1985, 11:52 a.m.: 9 IR 42, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1090*)

### **675 IAC 21-4-3 Classification and availability of rule (Repealed)**

Sec. 3. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290*)

## **Rule 5. Manlifts**

### **675 IAC 21-5-1 Adoption by reference**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. That certain document, being titled as ANSI A90.1, 1997, Safety Standard for Belt Manlifts, published by the American Society of Mechanical Engineers, Three Park Avenue, New York, New York 10016, is hereby adopted by reference and made a part of this section as if fully set out herein, save and except those additions, deletions, and amendments as are made in

section 3 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 21-5-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 43, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1092*)

**675 IAC 21-5-2 Classification and availability of rule (Repealed)**

Sec. 2. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290*)

**675 IAC 21-5-3 Amendments to adopted standard**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-10; IC 22-14; IC 22-15

Sec. 3. (a) Explanatory material, in the form of notes, that is not part of a table, figure, or graph, is not a part of this standard and is not enforceable as part of the Indiana Elevator Safety Code (675 IAC 21).

(b) In section 1.2 Purpose, delete the second sentence.

(c) In section 1.3 Application, revise (c) to read as follows: This standard applies to new installations. Existing belt manlifts shall be inspected, tested and maintained in accordance with the code or standard in effect at the time of installation and the manufacturer's instructions.

(d) Delete paragraph 1.4, Exceptions, without substitution.

(e) In section 2 References, add the following: When the term ANSI/NFPA 70-1984 is used it shall mean the Indiana Electrical Code (675 IAC 17).

(f) In section 3, Definitions, add the following definitions: INDIANA ELECTRICAL CODE means the Electrical Code in effect in Indiana at the time of construction, installation, remodeling, or alteration of the equipment.

(g) In paragraph 8.1, Acceptance and Annual Tests, delete the Note and the first sentence and insert the following:

(A) On completion of the manlift installation, an acceptance test shall be performed by the owner, manufacturer, or installer (under no circumstances shall humans be used as weights for testing). The enforcement authority may require that these tests be conducted in the presence of a licensed inspector employed by the enforcement authority. If the enforcement authority chooses not to be present at these tests, these tests shall be conducted in the presence of a third party licensed inspector. The third party licensed inspector shall not be an employee of the elevator contractor that installed or altered the regulated lifting device or that is performing the required tests. The third party licensed inspector shall sign an attestation for each test that reads, "I hereby attest under penalty for perjury that:

(1) all of the required acceptance tests have been completed in my presence by persons qualified to perform such services; and

(2) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration."

(B) The same series of tests as outlined in this paragraph shall be performed by the owner annually. These annual tests shall be attested to by a qualified inspector. This qualified inspector shall sign an attestation for each annual test of each manlift that reads, "I hereby attest under penalty for perjury that:

(1) all of the required tests have been completed by persons qualified to perform such services; and

(2) the manlift conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration."

(h) In paragraph 8.2, Periodic Inspection, in the title delete "Periodic" and insert "Routine".

(i) In subsection 8.2.1, Frequency, add the following sentence at the end of the subsection: A qualified inspector shall attest to these tests. This qualified inspector shall sign an attestation for each test of each manlift that reads, "I hereby attest under penalty for perjury that:

(1) all of the required tests have been completed by persons qualified to perform such services; and

(2) the manlift conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration."

(j) In subsection 8.2.2, delete "periodic" and insert "routine".

(k) Appendices A and B of this standard are not adopted, are not enforceable, and are for guidance purposes only. (*Fire*

*Prevention and Building Safety Commission; 675 IAC 21-5-3; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1092)*

**Rule 6. Sewage Lift Station Personnel Hoists (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

**Rule 7. Handpowered Personnel Hoists (Repealed)**

*(Repealed by Fire Prevention and Building Safety Commission; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1095)*

**Rule 8. Platform and Stairway Chair Lifts**

**675 IAC 21-8-1 Adoption by reference**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. That certain document, being titled as ASME A18.1a, 2001 (Addenda to ASME 18.1-1999), Safety Standard for Platform and Stairway Chair Lifts, published by the American Society of Mechanical Engineers, Three Park Avenue, New York, New York 10016, is hereby adopted by reference and made a part of this rule as if fully set out herein, save and except those additions, deletions, and amendments as are made in section 2 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 21-8-1; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1093)*

**675 IAC 21-8-2 Amendments to adopted code**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-10; IC 22-14; IC 22-15

Sec. 2. (a) In section 1.1.1, change the fourth sentence to read as follows: Except as specifically allowed in 2.7.1, the device shall not penetrate more than one (1) floor.

(b) Delete section 1.1.4 Effective Date, in its entirety without substitution.

(c) In section 1.2, Purpose and Exceptions, delete the third paragraph in its entirety without substitution.

(d) In section 1.3 Definitions, change the definitions to read as follows:

APPROVED means, as to materials, equipment, products, and construction, acceptance by authority having jurisdiction by one (1) of the following methods:

(A) Investigation or tests conducted by recognized authorities.

(B) Investigation or tests conducted by technical or scientific organizations.

(C) Accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, products, and construction are safe for their intended purposes.

AUTHORITY HAVING JURISDICTION means the office of the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission as set forth at IC 22-13-2-10.

BUILDING CODE means the Indiana Building Code (675 IAC 13), for Class 1 structures except townhouses or the Indiana Residential Code (675 IAC 14), for Class 2 structures and townhouses in effect at the time of the construction, addition, or alteration of the building or structure.

CERTIFIED means approved.

LABELED equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

ELECTRICAL CODE means the Indiana Electrical Code (675 IAC 17) in effect at the time of construction, installation, remodeling, or alteration of the equipment.

(e) Add a new paragraph to section 1.4 to read as follows: Where ANSI A117.1-1986 is used in this standard, it shall mean Chapter 11 of the Indiana Building Code (675 IAC 13). Where ANSI/NFPA 70 is used, it shall mean the Indiana Electrical Code (675 IAC 17). Where the term “building code” is used, it shall mean the Indiana Building Code (675 IAC 13). In Table 1.4-1, “latest edition” means the edition that is in effect on October 1, 2002, except that for those codes that are adopted in this article, “latest edition” means the edition that has been adopted into this article.

(f) Amend section 2.3.1.6 by adding a third paragraph to read as follows: If a winding drum is used, it shall have no more than one (1) layer of cable.

(g) Amend the third sentence in section 2.7.1 to read: The travel shall not exceed thirty (30) feet, and may penetrate more than one (1) floor.

(h) Amend section 2.11.3 to read as follows: If the audible signaling device(s), or the means of two-way conversation, or both, are connected to the building power supply, they shall automatically transfer to a source of standby or emergency power upon failure of the normal power supply. This standby or emergency power source shall be capable of providing for the operation of the audible signaling device and illumination of the alarm switch for at least one (1) hour, and the means of two-way conversation for at least four (4) hours.

(i) In section 10, delete “Routine” in the title and in the following paragraph.

(j) Delete section 10.1.1 and insert the following: 10.1.1. Periodic inspections. Periodic inspections shall be made by the authority having jurisdiction at a frequency determined by the authority having jurisdiction.

(k) Amend the title of section 10.1.2 to delete “Inspections and”.

(l) Amend section 10.1.2.1 to read as follows: The one-year test requirements under 10.3.1, the three-year test requirements under 10.3.2, and the five-year test requirements under 10.3.3 shall be attested to by a qualified inspector. This qualified inspector shall sign an attestation for each test that reads, “I hereby attest under penalty for perjury that:

(A) all of the tests required by 10.3.1, 10.3.2, or 10.3.3 have been completed by persons qualified to perform such services; and

(B) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration.”.

(m) Amend section 10.1.2.2 to read as follows: The owner or his/her authorized agent shall have all of the tests required by paragraph 10.3 made by a person qualified to perform such service.

(n) Delete section 10.1.2.3 without substitution.

(o) Amend section 10.1.3.1 to read as follows: A licensed inspector must conduct the acceptance inspection. A licensed inspector employed by the enforcement authority may conduct the acceptance inspection. If the enforcement authority chooses not to make this inspection, a third party licensed inspector shall make the acceptance inspection in accordance with the following:

(1) This third party inspector shall sign an attestation for each test that reads, “I hereby attest under penalty for perjury that:

(A) all of the tests required by paragraphs 10.4 or 10.5 have been completed in my presence by persons qualified to perform such services; and

(B) the regulated lifting device conforms to all applicable building and equipment codes in effect at the time of installation and all applicable building and equipment codes effective as applicable to and for each alteration.”.

(2) The third party licensed inspector that performs the acceptance inspection shall not be an employee of the elevator contractor that installed or altered the regulated lifting device or that is performing the required tests.

(p) Amend section 10.1.3.2 to read as follows: The person installing or altering the equipment shall perform all of the tests required by paragraphs 10.4 or 10.5 in the presence of the enforcement authority or a qualified inspector.

(q) Delete section 10.1.3.3 without substitution.

(r) Delete section 10.2.1 without substitution.

(s) Amend section 10.2.2 to read as follows: Routine inspections and tests shall include where applicable the following:

(t) In paragraph 10.3, delete “Inspections and” in the title and amend the following paragraph to read as follows: Periodic Tests Periods. In addition to the routine inspections and tests identified in paragraph 10.2, the applicable inspections and tests specified in paragraph 10.3.1 shall be performed in intervals not longer than one (1) year, the applicable inspections and tests specified in paragraph 10.3.2 shall be made at intervals not longer than three (3) years and the applicable inspections and tests specified in paragraph 10.3.3 shall be made at intervals not longer than five (5) years. (*Fire Prevention and Building Safety Commission; 675 IAC 21-8-2; filed Dec 3, 2002, 3:05 p.m.: 26 IR 1093*)

**ARTICLE 22. FIRE PREVENTION CODES**

**Rule 1. Indiana Flammable and Combustible Liquids and Gases Code**

**675 IAC 22-1-1 Title and purpose of rule (Expired)**

Sec. 1. *(Expired under IC 4-22-2.5, effective January 1, 2002.)*

**675 IAC 22-1-2 Applicability of rule; existing facilities and equipment (Expired)**

Sec. 2. *(Expired under IC 4-22-2.5, effective January 1, 2002.)*

**675 IAC 22-1-3 NFPA 30; flammable and combustible liquids code (Repealed)**

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-1-4 NFPA 30A; automotive and marine service station code (Repealed)**

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-1-5 NFPA 33; standard for spray application using flammable and combustible materials (Repealed)**

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-1-6 NFPA 52; standard for compressed natural gas (CNG) vehicular fuel systems (Repealed)**

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-1-7 NFPA 58; standard for the storage and handling of liquefied petroleum gases (Repealed)**

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-1-8 NFPA 59; standard for the storage and handling of liquefied petroleum gases at utility gas plants (Repealed)**

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-1-9 NFPA 59A; standard for the production, storage and handling of liquefied natural gas (LNG) (Repealed)**

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-1-10 NFPA 395; standard for the storage of flammable and combustible liquids on farms and isolated construction projects (Repealed)**

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-1-11 Authority having jurisdiction; referenced publications (Expired)**

Sec. 11. *(Expired under IC 4-22-2.5, effective January 1, 2002.)*

**675 IAC 22-1-12 Availability of adopted standards (Repealed)**

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-1-13 NFPA 15; water spray fixed systems for fire protection (Repealed)**

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-1-14 NFPA 385; standard for tank vehicles for flammable and combustible liquids (Repealed)**

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-1-15 NFPA 386; standard for portable shipping tanks for flammable and combustible liquids (Repealed)**

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**Rule 2. Indiana Fire Prevention Code**

**675 IAC 22-2-1 Adoption by reference (Repealed)**

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-2 Title; availability (Repealed)**

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-3 Section 1.102(a); intent (Repealed)**

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-4 Section 1.103(b); scope (Repealed)**

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-5 Article 2, Division I; organization and authority (Repealed)**

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-6 Section 2.101; state fire marshal's powers and duties (Repealed)**

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

**675 IAC 22-2-7 Section 2.102; enforcement (Repealed)**

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

**675 IAC 22-2-8 Section 2.103; inspections; reports (Repealed)**

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

**675 IAC 22-2-9 Section 2.105; issuance and service of orders (Repealed)**

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

**675 IAC 22-2-10 Article 2, Division II, deletion (Repealed)**

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-11 Section 2.301; alternate materials and methods (Repealed)**

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-12 Section 2.302; approvals (Repealed)**

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-13 Standards (Repealed)**

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-14 Section 2.303(e); recognized standards (Repealed)**

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-15 Article 3; compliance with orders and notices (Repealed)**

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-16 Article 4; permits (Repealed)**

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-17 Definitions "A" (Repealed)**

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-18 Definitions "B" (Repealed)**

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-19 Section 9.105; definitions, "C" (Repealed)**

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-20 Definitions "D" (Repealed)**

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-21 Definitions "E" (Repealed)**

Sec. 21. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-22 Definitions “F” (Repealed)**

Sec. 22. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-23 Definitions “H” (Repealed)**

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-24 Section 9.112; definitions, “J” (Repealed)**

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-25 Section 9.115; definitions, “M” (Repealed)**

Sec. 25. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-26 Section 9.117; definitions, “O” (Repealed)**

Sec. 26. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-27 Section 9.118; definitions, “P” (Repealed)**

Sec. 27. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-28 Section 9.121; definitions, “S” (Repealed)**

Sec. 28. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-29 Section 9.123; definitions, “U” (Repealed)**

Sec. 29. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-30 Section 9.124; definitions, “V” (Repealed)**

Sec. 30. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-31 Article 10, Divisions I and II; general provisions for fire safety (Repealed)**

Sec. 31. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-32 Section 10.301(a) and (b); installation (Repealed)**

Sec. 32. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-33 Section 10.301(c); water supply (Repealed)**

Sec. 33. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-34 Section 10.301(e); approval and testing (Repealed)**

Sec. 34. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-35 Section 10.302(a); maintenance (Repealed)**

Sec. 35. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-36 Section 10.302(c); obstruction of fire protection equipment (Repealed)**

Sec. 36. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-37 Section 10.303(b); halon extinguishers (Repealed)**

Sec. 37. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-38 Section 10.305; recreational vehicle and mobile home parks (Repealed)**

Sec. 38. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-39 Section 10.306; fire alarm systems (Repealed)**

Sec. 39. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-40 Section 10.309; sprinkler system alarms (Repealed)**

Sec. 40. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-41 Section 10.310; permissible sprinkler omissions (Repealed)**

Sec. 41. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-42 Section 10.311(c); standpipes (Repealed)**

Sec. 42. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-43 Section 10.314(d); portable extinguishers (Repealed)**

Sec. 43. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-44 Article 11, Division I; incinerators and open burning (Repealed)**

Sec. 44. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-45 Section 11.101; regulatory board (Repealed)**

Sec. 45. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-46 Section 11.102; discarding burning objects (Repealed)**

Sec. 46. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-47 Section 11.103; hot ashes and other dangerous materials (Repealed)**

Sec. 47. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-48 Section 11.202; handling of readily combustible materials (Repealed)**

Sec. 48. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-49 Section 11.203(a); permit required (Repealed)**

Sec. 49. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-50 Flammable decorative materials (Repealed)**

Sec. 50. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-51 Section 11.208; parade floats (Repealed)**

Sec. 51. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-52 Section 11.210; interior finishes (Repealed)**

Sec. 52. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-53 Section 11.302(b); false alarms (Repealed)**

Sec. 53. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-54 Section 11.404(a); heating appliance (Repealed)**

Sec. 54. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-55 Section 11.410; open-flame devices in marinas (Repealed)**

Sec. 55. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-56 Section 12.101; exits; scope (Repealed)**

Sec. 56. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-57 Section 12.103(a); obstruction of exits (Repealed)**

Sec. 57. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-58 Section 12.104; doors (Repealed)**

Sec. 58. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-59 Section 12.106(e); stairway numbering system (Repealed)**

Sec. 59. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-60 Section 12.113(b); illumination of exits (Repealed)**

Sec. 60. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-61 Section 12.114; exit signs (Repealed)**

Sec. 61. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-62 Section 12.115; fire escapes (Repealed)**

Sec. 62. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-63 Section 12.116; emergency signs for Group R occupancies (Repealed)**

Sec. 63. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-64 Section 13.102; smoking (Repealed)**

Sec. 64. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-65 Section 13.103; “no smoking” signs (Repealed)**

Sec. 65. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-66 Section 24.101; scope (Repealed)**

Sec. 66. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-67 Section 24.102; permits (Repealed)**

Sec. 67. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-68 Section 24.105; application of flammable or combustible liquid finishes (Repealed)**

Sec. 68. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-69 Section 24.107; drip pans (Repealed)**

Sec. 69. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-70 Section 24.108; open flames (Repealed)**

Sec. 70. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-71 Section 24.112; combustible storage (Repealed)**

Sec. 71. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-72 Section 24.113; portable extinguishers (Repealed)**

Sec. 72. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-73 Section 24.121; regulations not covered (Repealed)**

Sec. 73. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-74 Section 24.201; construction of refueler units (Repealed)**

Sec. 74. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-75 Section 24.202; use of refueler units (Repealed)**

Sec. 75. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-76 Section 24.203; fueling and defueling (Repealed)**

Sec. 76. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-77 Section 24.206; maintenance (Repealed)**

Sec. 77. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-78 Section 25.101; assembly places; scope (Repealed)**

Sec. 78. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-79 Section 25.103; decorative materials (Repealed)**

Sec. 79. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-80 Section 25.106(b); Group A, division 2, 2.1, and 3 occupancies (Repealed)**

Sec. 80. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-81 Section 25.108(c); seat spacing (Repealed)**

Sec. 81. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-82 Section 25.112; plan exits and aisles (Repealed)**

Sec. 82. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-83 Section 25.114(b); occupancy load (Repealed)**

Sec. 83. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-84 Section 25.116(a); candles and other open-flame devices (Repealed)**

Sec. 84. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-85 Section 25.117; standby personnel (Repealed)**

Sec. 85. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-86 Article 25, Division 4; carnivals and fairs (Repealed)**

Sec. 86. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-87 Section 25.401; carnivals and fairs; applicability (Repealed)**

Sec. 87. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-88 Grounds (Repealed)**

Sec. 88. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-89 Section 25.403; concession stands (Repealed)**

Sec. 89. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-90 Section 25.404; internal combustion power sources (Repealed)**

Sec. 90. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-91 Section 25.405; flammable liquids and gases (Repealed)**

Sec. 91. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-92 Section 25.501; haunted houses and similar temporary installations (Repealed)**

Sec. 92. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-93 Article 25, Division VI; liquid or gas fueled equipment in assembly buildings (Repealed)**

Sec. 93. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-94 Section 25.601; temporary displays (Repealed)**

Sec. 94. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-95 Section 25.602; competitions or demonstrations (Repealed)**

Sec. 95. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-96 Section 26.102; permits (Repealed)**

Sec. 96. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-97 Section 27.102; permits (Repealed)**

Sec. 97. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-98 Section 27.104; storage and handling (Repealed)**

Sec. 98. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-99 Section 28.102; permits (Repealed)**

Sec. 99. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-100 Section 28.105; storage of agricultural products (Repealed)**

Sec. 100. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-101 Section 29.102; permits (Repealed)**

Sec. 101. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-102 Section 30.101; permits (Repealed)**

Sec. 102. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-103 Section 30.102; open yard storage (Repealed)**

Sec. 103. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-104 Section 30.103(a); fire hazards in lumber yards (Repealed)**

Sec. 104. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-105 Section 30.104(b); fire-extinguishing equipment in open yards and buildings (Repealed)**

Sec. 105. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-106 Section 30.105(b); woodworking plants (Repealed)**

Sec. 106. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-107 Section 31.102; permits (Repealed)**

Sec. 107. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-108 Section 32.101; permits (Repealed)**

Sec. 108. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-109 Section 32.104(e); location of tents and air-supported structures (Repealed)**

Sec. 109. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-110 Section 32.105; structural stability of tents and air-supported structures (Repealed)**

Sec. 110. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-111 Section 32.106; flame-retardant material (Repealed)**

Sec. 111. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-112 Section 32.107; fire-resistive standards (Repealed)**

Sec. 112. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-113 Section 32.108; smoking; open flames (Repealed)**

Sec. 113. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-114 Section 32.109; fire protection equipment (Repealed)**

Sec. 114. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-115 Section 32.111; abatement of fire or panic hazards not covered in this rule (Repealed)**

Sec. 115. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-116 Section 32.112(h); exits (Repealed)**

Sec. 116. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-117 Section 32.118(a); heating and cooking equipment (Repealed)**

Sec. 117. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-118 Section 32.120(b); storage of flammable materials (Repealed)**

Sec. 118. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-119 Section 33.102; permits (Repealed)**

Sec. 119. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-120 Section 34.102; permits (Repealed)**

Sec. 120. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-121 Section 34.104; burning of wrecked or discarded vehicles (Repealed)**

Sec. 121. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-122 Section 34.108; storage of flammable and combustible liquids (Repealed)**

Sec. 122. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-123 Section 35.102; permits (Repealed)**

Sec. 123. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-124 Section 35.103; special provisions (Repealed)**

Sec. 124. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-125 Section 36.102; permits (Repealed)**

Sec. 125. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-126 Article 37; educational and institutional fire drills (Repealed)**

Sec. 126. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-127 Section 37.101; drills required (Repealed)**

Sec. 127. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-128 Section 37.102; frequency of drills (Repealed)**

Sec. 128. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-129 Section 37.103; records of drills (Repealed)**

Sec. 129. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-130 Section 37.104; evacuations (Repealed)**

Sec. 130. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-131 Section 45.101; spraying, dipping, and coating operations; scope (Repealed)**

Sec. 131. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-132 Section 45.102; permits (Repealed)**

Sec. 132. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-133 Section 45.103; smoking prohibited (Repealed)**

Sec. 133. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-134 Section 45.104; welding, grinding, or open flame; warning sign (Repealed)**

Sec. 134. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-135 Section 45.207; limited spraying areas (Repealed)**

Sec. 135. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-136 Section 45.209(b); fire protection equipment (Repealed)**

Sec. 136. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-137 Section 45.304; storage and handling of flammable and combustible liquids (Repealed)**

Sec. 137. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-138 Section 45.306; operations and maintenance (Repealed)**

Sec. 138. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-139 Section 45.307(a); fire extinguishing equipment (Repealed)**

Sec. 139. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-140 Section 45.401(d); guards and signs (Repealed)**

Sec. 140. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-141 Section 45.501(a); automobile undercoating spray operations (Repealed)**

Sec. 141. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-142 Section 45.604; ventilation (Repealed)**

Sec. 142. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-143 Section 45.707; personnel qualifications (Repealed)**

Sec. 143. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-144 Section 46.102; permits (Repealed)**

Sec. 144. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-145 Section 46.103(a); use of ethylene (Repealed)**

Sec. 145. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-146 Section 47.102; permits (Repealed)**

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Sec. 146. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-147      Section 48.102; permits (Repealed)**

Sec. 147. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-148      Section 49.101; general requirements (Repealed)**

Sec. 148. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-149      Section 49.109(c); calcium carbide storage (Repealed)**

Sec. 149. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-150      Section 50.103; permits (Repealed)**

Sec. 150. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-151      Section 50.113(a); fire protection (Repealed)**

Sec. 151. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-152      Section 51.102; definitions (Repealed)**

Sec. 152. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-153      Section 51.103; permits (Repealed)**

Sec. 153. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-154      Section 51.108(b); handling hazardous materials within exit corridors (Repealed)**

Sec. 154. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-155      Section 51.111(a); emergency plans (Repealed)**

Sec. 155. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-156      Section 61.106; portable unvented oil-burning heaters (Repealed)**

Sec. 156. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-157      Section 62.101; industrial baking and drying ovens (Repealed)**

Sec. 157. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-158      Section 62.102; permits and plans (Repealed)**

Sec. 158. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-159 Section 62.105(a); safety controls (Repealed)**

Sec. 159. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-160 Section 63.101; refrigeration systems; scope (Repealed)**

Sec. 160. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-161 Section 63.103; permits (Repealed)**

Sec. 161. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-162 Section 63.106; operating and emergency instructions (Repealed)**

Sec. 162. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-163 Section 63.107; emergency signs and labels (Repealed)**

Sec. 163. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-164 Section 63.108; diffusion systems (Repealed)**

Sec. 164. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-165 Article 64; unvented fuel-burning portable heaters (Repealed)**

Sec. 165. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-166 Section 64.101; scope of article (Repealed)**

Sec. 166. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-167 Section 64.102; prohibited use (Repealed)**

Sec. 167. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-168 Section 64.103; use in detached single family residences (Repealed)**

Sec. 168. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-169 Section 64.104; temporary use (Repealed)**

Sec. 169. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-170 Section 74.103; permits (Repealed)**

Sec. 170. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-171 Section 74.104; storage containers (Repealed)**

Sec. 171. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-172 Section 74.105; compressed gas cylinders (Repealed)**

Sec. 172. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-173 Section 74.106; bulk oxygen systems (Repealed)**

Sec. 173. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-174 Section 74.107(a); storage and use of cylinders (Repealed)**

Sec. 174. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-175 Section 74.109; operation instructions and maintenance of bulk oxygen systems (Repealed)**

Sec. 175. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-176 Division 2; medical (Repealed)**

Sec. 176. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-177 Section 75.103; permits (Repealed)**

Sec. 177. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-178 Section 75.104; cryogenic fluid containers, equipment, and devices (Repealed)**

Sec. 178. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-179 Section 75.105(b); electrical equipment (Repealed)**

Sec. 179. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-180 Section 75.107; warning labels and signs (Repealed)**

Sec. 180. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-181 Section 75.108; dispensing areas (Repealed)**

Sec. 181. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-182 Section 75.201; container design, construction, and testing (Repealed)**

Sec. 182. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-183 Section 75.205; nameplates (Repealed)**

Sec. 183. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-184 Section 75.402(c); valves and accessory equipment (Repealed)**

Sec. 184. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-185 Section 76.102; applicable standards (Repealed)**

Sec. 185. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-186 Section 76.103(g); general requirements (Repealed)**

Sec. 186. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-187 Scope (Repealed)**

Sec. 187. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-188 Section 77.102; exceptions (Repealed)**

Sec. 188. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

**675 IAC 22-2-189 Section 77.104, deletion (Repealed)**

Sec. 189. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-190 Insurance (Repealed)**

Sec. 190. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-191 Section 77.106; explosives manufacture (Repealed)**

Sec. 191. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-192 Storage of explosives (Repealed)**

Sec. 192. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-193 Table No. 77.201 (Repealed)**

Sec. 193. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-194 Gunpowder storage/magazines (Repealed)**

Sec. 194. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-195 Gunpowder (Repealed)**

Sec. 195. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-196 Section 77.204, deletion (Repealed)**

Sec. 196. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-197 Section 77.301; handling and use of explosives (Repealed)**

Sec. 197. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-198 Transportation of explosives (Repealed)**

Sec. 198. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-199 Section 77.303(e); explosives and blasting agents at terminals (Repealed)**

Sec. 199. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-200 Blasting agents; general (Repealed)**

Sec. 200. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-201 Mixed blasting agents (Repealed)**

Sec. 201. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-201.5 Transportation of blasting agents (Repealed)**

Sec. 201.5. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-202 Section 77.307; seizure of explosives and blasting agents (Repealed)**

Sec. 202. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-203 Location of explosive detonations for testing (Repealed)**

Sec. 203. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-203.5 Alternative criteria for explosive laboratory operations (Repealed)**

Sec. 203.5. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-204 Section 77.410(a); disposal of waste explosives and fireworks (Repealed)**

Sec. 204. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-205 Section 78.102; permits for manufacture, distribution, sale, and display of fireworks (Repealed)**

Sec. 205. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-206 Section 78.103; certificate of insurance for public display (Repealed)**

Sec. 206. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-207 Section 78.106; seizure of fireworks (Repealed)**

Sec. 207. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-208 Section 78.107; public display of fireworks (Repealed)**

Sec. 208. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-209 Section 79.101; bulk storage and dispensing of flammable and combustible liquids and gases; scope (Repealed)**

Sec. 209. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-210 Section 79.103; permits (Repealed)**

Sec. 210. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-211 Section 79.104; portable tanks and containers (Repealed)**

Sec. 211. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-212 Section 79.105; design and construction of tanks (Repealed)**

Sec. 212. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-213 Section 79.106; change of tank contents (Repealed)**

Sec. 213. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-214 Section 79.108(a); warning signs (Repealed)**

Sec. 214. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-215 Section 79.111; cleaning with Class I and Class II flammable liquids (Repealed)**

Sec. 215. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-216 Section 79.114; out-of-service tanks (Repealed)**

Sec. 216. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-217 Section 79.115; fire protection standards (Repealed)**

Sec. 217. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-218 Article 79, Division II; containers and portable tanks inside buildings (Repealed)**

Sec. 218. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-219 Article 79, Division III; stationary tanks inside buildings (Repealed)**

Sec. 219. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-220 Article 79, Division IV; containers and portable tanks outside buildings (Repealed)**

Sec. 220. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-221 Section 79.401; applicable standards (Repealed)**

Sec. 221. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-222 Section 79.402; location on property; protection of storage areas (Repealed)**

Sec. 222. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-223 Section 79.403; fencing; weeds and debris (Repealed)**

Sec. 223. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-224 Section 79.404; warning signs (Repealed)**

Sec. 224. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-225 Section 79.405; outside dispensing (Repealed)**

Sec. 225. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-226 Section 79.406; storage of empty containers and tanks (Repealed)**

Sec. 226. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-227 Section 79.407; fire protection (Repealed)**

Sec. 227. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-228 Article 79, Division V; aboveground stationary tanks outside buildings (Repealed)**

Sec. 228. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-229 Section 79.501; applicable standards (Repealed)**

Sec. 229. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-230 Section 79.502; location restrictions (Repealed)**

Sec. 230. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-231 Section 79.503; tank labels (Repealed)**

Sec. 231. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-232 Section 79.504; fire protection (Repealed)**

Sec. 232. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-233 Article 79, Division VI; underground tanks outside or beneath buildings (Repealed)**

Sec. 233. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-234 Section 79.601; applicable standards (Repealed)**

Sec. 234. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-235 Section 79.602; leaking tanks (Repealed)**

Sec. 235. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-236 Testing (Repealed)**

Sec. 236. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-237 Article 79, Division VII; pipes, valves, and fittings; applicable standards (Repealed)**

Sec. 237. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-238 Section 79.802(a); inside dispensing and mixing operations (Repealed)**

Sec. 238. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-239 Section 79.804; design and construction of dispensing and mixing rooms (Repealed)**

Sec. 239. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-240 Section 79.805; fire protection (Repealed)**

Sec. 240. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-241 Section 79.806(d); outside dispensing operations (Repealed)**

Sec. 241. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-242 Section 79.807; loading and unloading facilities (Repealed)**

Sec. 242. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-243 Section 79.808; unloading operations (Repealed)**

Sec. 243. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-244 Article 79, Division IX; service stations (Repealed)**

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Sec. 244. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-245      Article 79, Division X; storage of flammable and combustible liquids on farms and isolated construction projects (Repealed)**

Sec. 245. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-246      Section 79.1102; permits (Repealed)**

Sec. 246. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-247      Section 79.1104(c); waste control (Repealed)**

Sec. 247. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-248      Section 79.1202; tank vehicles (Repealed)**

Sec. 248. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-249      Article 79, Division XIII; industrial plants (Repealed)**

Sec. 249. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-250      Article 79, Division XIV; bulk plants and terminals (Repealed)**

Sec. 250. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-251      Article 79, Division XV; processing and chemical plants (Repealed)**

Sec. 251. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-252      Article 79, Division XVI; refineries and distilleries (Repealed)**

Sec. 252. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-253      Article 79, Division XVII; transportation pipelines (Repealed)**

Sec. 253. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-254      Section 79.1803; permits (Repealed)**

Sec. 254. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-255      Section 79.1804(a); solvent classification changes (Repealed)**

Sec. 255. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-256      Section 79.1806; applicable standards (Repealed)**

Sec. 256. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-257 Section 79.1808; heating equipment (Repealed)**

Sec. 257. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-258 Section 79.1809; electrical equipment and lighting (Repealed)**

Sec. 258. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-259 Section 79.1810(c); venting (Repealed)**

Sec. 259. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-260 Section 79.1815(b); solvent types (Repealed)**

Sec. 260. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-261 Section 79.1816; fire extinguishers (Repealed)**

Sec. 261. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-262 Section 80.102; permits (Repealed)**

Sec. 262. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-263 Section 80.103; general requirements (Repealed)**

Sec. 263. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-264 Section 80.104(b); oxidizing materials (Repealed)**

Sec. 264. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-265 Section 80.107(a); highly toxic materials (Repealed)**

Sec. 265. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-266 Section 80.111(a); identification of aboveground tanks and vessels (Repealed)**

Sec. 266. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-267 Section 81.101; scope (Repealed)**

Sec. 267. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-268 Section 81.104; classification of contents (Repealed)**

Sec. 268. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-269 Section 81.106; automatic fire-extinguishing systems (Repealed)**

Sec. 269. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-270 Section 81.108(a); aisles (Repealed)**

Sec. 270. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-271 Section 81.109; access to buildings (Repealed)**

Sec. 271. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-272 Section 81.110; small hose connections (Repealed)**

Sec. 272. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-273 Section 81.111; high-rack storage systems (Repealed)**

Sec. 273. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-274 Section 82.101; installation and storage of liquefied petroleum gases (Repealed)**

Sec. 274. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-275 Section 82.102; records of installations (Repealed)**

Sec. 275. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-276 Section 82.103; inspections of installations (Repealed)**

Sec. 276. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-277 Section 82.104; installation of equipment (Repealed)**

Sec. 277. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-278 Section 82.105; location of containers (Repealed)**

Sec. 278. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-279 Section 82.108(a); dispensing and overfilling (Repealed)**

Sec. 279. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-280 Section 82.110(a); smoking and open flame devices (Repealed)**

Sec. 280. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-281 Section 83.101; permits (Repealed)**

Sec. 281. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-282 Section 83.105; retail storage (Repealed)**

Sec. 282. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-283 Section 85.109; unapproved appliances (Repealed)**

Sec. 283. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-284 Section 86.103(a); identification of storage buildings, rooms, and areas (Repealed)**

Sec. 284. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-285 Section 86.104; fire protection (Repealed)**

Sec. 285. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-286 Section 87.102; approval (Repealed)**

Sec. 286. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-287 Section 87.103; fire safety during construction (Repealed)**

Sec. 287. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-288 Appendix 1-A; emergency exit sign sample (Repealed)**

Sec. 288. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-289 Appendix 1-B; emergency information sample (Repealed)**

Sec. 289. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-290 Appendix Division II; community environmental hazard controls (Repealed)**

Sec. 290. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-291 Appendix Division III; fire protection systems; Appendix III-C fire alarm systems (Repealed)**

Sec. 291. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-292 Appendix Division IV; flammable floor coverings (Repealed)**

Sec. 292. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-293 Appendix Division V; standards (Repealed)**

Sec. 293. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**675 IAC 22-2-294 Appendix Division VI; informational (Repealed)**

Sec. 294. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

**Rule 2.1. Indiana Fire Prevention Code, 1990 Edition**

**675 IAC 22-2.1-1 Adoption by reference (Repealed)**

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-2 Title; availability (Repealed)**

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-3 Section 1.102; intent (Repealed)**

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-4 Section 1.103(b); scope (Repealed)**

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-5 Article 2, Division I; organization and authority (Repealed)**

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-6 Article 2, Division II; duties and procedures (Repealed)**

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-7 Section 2.301; approval (Repealed)**

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-8 Section 2.302; technical assistance (Repealed)**

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-9 Section 2.303; standards (Repealed)**

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-10 Section 2.304; NFPA standards (Repealed)**

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-11 Section 2.305; NFPA 34; dipping and coating processes using flammable or combustible liquids (Repealed)**

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-12 Section 2.306; NFPA 51; oxygen-fuel gas system for welding, cutting and allied processes**

**(Repealed)**

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-2.1-13 Section 2.307; NFPA 51B; cutting and welding processes (Repealed)**

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-2.1-14 Section 2.308; NFPA 86; ovens and furnaces (Repealed)**

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-2.1-15 Section 2.309; NFPA 407; aircraft fuel servicing (Repealed)**

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-2.1-16 Section 2.310; NFPA 704; identification of the fire hazards of materials (Repealed)**

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-2.1-17 Section 2.311; NFPA 1123; public display of fireworks (Repealed)**

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-2.1-18 Section 2.312; NFPA 10; standard for portable fire extinguishers (Repealed)**

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-2.1-19 Section 2.313; NFPA 50; standard for bulk oxygen systems at consumer sites (Repealed)**

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

**675 IAC 22-2.1-20 Section 2.314; value of services rendered (Repealed)**

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-21 Article 3; compliance with orders and notices (Repealed)**

Sec. 21. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-22 Article 4; permits (Repealed)**

Sec. 22. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-23 Section 9.101; amendments (Repealed)**

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-24 Section 9.102; definitions and abbreviations (Repealed)**

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-25 Section 9.103; definitions “A” (Repealed)**

Sec. 25. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-26 Section 9.104; definitions “B” (Repealed)**

Sec. 26. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-27 Section 9.105; definitions “C” (Repealed)**

Sec. 27. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-28 Section 9.106; definitions “D” (Repealed)**

Sec. 28. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-29 Section 9.107; definitions “E” (Repealed)**

Sec. 29. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-30 Section 9.108; definitions “F” (Repealed)**

Sec. 30. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-31 Section 9.110; definitions “H” (Repealed)**

Sec. 31. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-32 Section 9.111; definitions “I” (Repealed)**

Sec. 32. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-33 Section 9.112; definitions “J” (Repealed)**

Sec. 33. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-34 Section 9.115; definitions “M” (Repealed)**

Sec. 34. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-35 Section 9.117; definitions “O” (Repealed)**

Sec. 35. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-36 Section 9.118; definitions “P” (Repealed)**

Sec. 36. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-37 Section 9.120; definitions “R” (Repealed)**

Sec. 37. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-38 Section 9.121; definitions “S” (Repealed)**

Sec. 38. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-39 Section 9.122; definitions “T” (Repealed)**

Sec. 39. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-40 Section 9.123; definitions “U” (Repealed)**

Sec. 40. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-41 Section 9.124; definitions “V” (Repealed)**

Sec. 41. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-42 Section 9.125; definitions “W” (Repealed)**

Sec. 42. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-43 Article 10, Division I; general provisions for fire safety (Repealed)**

Sec. 43. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-44 Section 10.201; tampering with fire equipment (Repealed)**

Sec. 44. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-45 Section 10.202; tampering with fire hydrant or fire appliance (Repealed)**

Sec. 45. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-46 Section 10.203; hydrant use approval (Repealed)**

Sec. 46. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-47 Section 10.204; tampering with barricades (Repealed)**

Sec. 47. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-48 Section 10.205; closure of roads or trails (Repealed)**

Sec. 48. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-49 Section 10.206; obstruction of fire protection equipment (Repealed)**

Sec. 49. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-50 Section 10.207(b); fire apparatus access roads; where required (Repealed)**

Sec. 50. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-51 Section 10.207(i); bridges (Repealed)**

Sec. 51. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-52 Section 10.208(b); premises identification (Repealed)**

Sec. 52. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-53 Section 10.301(a); installation; type required (Repealed)**

Sec. 53. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-54 Section 10.301(b); special hazards (Repealed)**

Sec. 54. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-55 Section 10.301(c); water supply (Repealed)**

Sec. 55. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-56 Section 10.301(d); fire hydrant markers (Repealed)**

Sec. 56. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-57 Section 10.301(e); timing of installation (Repealed)**

Sec. 57. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-58 Section 10.301(f); approval and testing (Repealed)**

Sec. 58. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-59 Section 10.302(a); maintenance; general (Repealed)**

Sec. 59. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-60 Section 10.302(b); systems in high-rise buildings (Repealed)**

Sec. 60. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-61 Section 10.302(c); smoke-control systems (Repealed)**

Sec. 61. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-62 Section 10.303; portable fire extinguishers (Repealed)**

Sec. 62. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-63 Section 10.304; fire protection in recreational vehicle and mobile home parks (Repealed)**

Sec. 63. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-64 Section 10.305(b); approvals (Repealed)**

Sec. 64. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-65 Section 10.305(d); installation of fixed fire protection systems; standards (Repealed)**

Sec. 65. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-66 Section 10.306; automatic fire-extinguishing systems (Repealed)**

Sec. 66. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-67 Section 10.307; sprinkler system supervision alarms (Repealed)**

Sec. 67. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-68 Section 10.308; permissible sprinkler omissions (Repealed)**

Sec. 68. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-69 Section 10.309; standpipes (Repealed)**

Sec. 69. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-70 Section 10.310; buildings under construction (Repealed)**

Sec. 70. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-71 Section 10.311; basement pipe inlets (Repealed)**

Sec. 71. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-72 Section 10.312; ventilating hood and duct systems (Repealed)**

Sec. 72. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-73 Section 10.313; fire-extinguishing equipment for protection of kitchen grease hoods and ducts (Repealed)**

Sec. 73. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-74 Section 10.402(c); identification (Repealed)**

Sec. 74. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-75 Section 11.101(a); bonfires and outdoor rubbish fires (Repealed)**

Sec. 75. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-76 Section 11.105(e); types and construction of incinerators (Repealed)**

Sec. 76. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-77 Section 11.112; hours of burning (Repealed)**

Sec. 77. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-78 Section 11.113; burning on public property (Repealed)**

Sec. 78. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-79 Section 11.114; offensive smoke and odors (Repealed)**

Sec. 79. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-80 Section 11.115; attendant for fire (Repealed)**

Sec. 80. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-80.1 Section 11.201(b); containers and removal (Repealed)**

Sec. 80.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-81 Section 11.202; handling of readily combustible materials (Repealed)**

Sec. 81. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-82 Section 11.203(a); storage of readily combustible materials (Repealed)**

Sec. 82. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-83 Section 11.204; flammable decorative materials (Repealed)**

Sec. 83. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-84 Section 11.208; parade floats (Repealed)**

Sec. 84. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-85 Section 11.404(a); heating appliances (Repealed)**

Sec. 85. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-86 Section 11.410; open-flame devices in marinas (Repealed)**

Sec. 86. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-87 Section 12.101; maintenance of exits; scope (Repealed)**

Sec. 87. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-88 Section 12.104(b); doors; locking devices (Repealed)**

Sec. 88. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-89 Section 12.106(d); stairways and ramps; stairway identification (Repealed)**

Sec. 89. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-90 Section 12.108(a); exit signs; general (Repealed)**

Sec. 90. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-91 Section 12.108(c); exit signs; graphics (Repealed)**

Sec. 91. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-92 Section 12.108(e); exit signs; maintenance (Repealed)**

Sec. 92. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-93 Section 12.110; fire escapes (Repealed)**

Sec. 93. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-94 Section 12.111; emergency signs for “R” occupancies (Repealed)**

Sec. 94. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-95 Section 12.202; permits (Repealed)**

Sec. 95. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-96 Section 13.102; smoking (Repealed)**

Sec. 96. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-97 Section 13.103; “no smoking” signs (Repealed)**

Sec. 97. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-98 Article 14; fire alarm systems (Repealed)**

Sec. 98. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-99 Section 14.101; scope (Repealed)**

Sec. 99. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-100 Section 14.102; definitions (Repealed)**

Sec. 100. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-101 Section 14.103; general requirements (Repealed)**

Sec. 101. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-102 Section 14.104; special provisions (Repealed)**

Sec. 102. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-103 Section 14.105; maintenance (Repealed)**

Sec. 103. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-104 Section 14.106; automatic telephone dialing devices (Repealed)**

Sec. 104. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-105 Section 14.107; false alarms (Repealed)**

Sec. 105. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-106 Section 24.102; permits (Repealed)**

Sec. 106. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-107 Section 24.105; application of flammable or combustible liquid finishes (Repealed)**

Sec. 107. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-108 Section 24.107; drip pans (Repealed)**

Sec. 108. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-109 Section 24.108; open flame (Repealed)**

Sec. 109. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-110 Section 24.112; combustible storage (Repealed)**

Sec. 110. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-111 Section 24.121; regulations not covered (Repealed)**

Sec. 111. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-112 Section 24.201(a); construction of aircraft refuelers (Repealed)**

Sec. 112. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-113 Section 24.305; federal aviation approval (Repealed)**

Sec. 113. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-114 Section 25.101; permits (Repealed)**

Sec. 114. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-115 Section 25.102(b); places of assembly; communication (Repealed)**

Sec. 115. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-116 Section 25.103; decorative material (Repealed)**

Sec. 116. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-117 Section 25.106(b); Group A, Divisions 2, 2.1 and 3 Occupancies (Repealed)**

Sec. 117. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-118 Section 25.106(b); Group A, Divisions 2, 2.1 and 3 Occupancies (Repealed)**

Sec. 118. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

**675 IAC 22-2.1-118.1 Section 25.107; aisles (Repealed)**

Sec. 118.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-118.2 Section 25.108; seat spacing (Repealed)**

Sec. 118.2. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-119 Section 25.112; plan of exit ways and aisles; announcements (Repealed)**

Sec. 119. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-120 Section 25.114(b); determination of occupant load (Repealed)**

Sec. 120. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-121 Section 25.116(a); permits (Repealed)**

Sec. 121. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-121.1 Article 25, Division II; reviewing stands, grandstands and bleachers (Repealed)**

Sec. 121.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-121.2 Article 25, Division III; folding and telescoping seating (Repealed)**

Sec. 121.2. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-122 Article 25, Division IV; securing of chairs (Repealed)**

Sec. 122. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-123 Section 25.401; carnivals and fairs; scope (Repealed)**

Sec. 123. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-124 Section 25.402; grounds (Repealed)**

Sec. 124. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-125 Section 25.403; concession stands (Repealed)**

Sec. 125. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-126 Section 25.404; internal combustion power sources (Repealed)**

Sec. 126. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-127 Section 25.405; flammable liquids and gases (Repealed)**

Sec. 127. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-128 Section 25.406; inspection required (Repealed)**

Sec. 128. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-129 Article 25, Division V; haunted houses and similar temporary installations (Repealed)**

Sec. 129. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-130 Article 25, Division VI; liquid or gas fueled equipment in assembly buildings (Repealed)**

Sec. 130. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-131 Section 25.601; temporary display (Repealed)**

Sec. 131. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-132 Section 25.602; competition or demonstrations (Repealed)**

Sec. 132. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-133 Section 26.102; permits (Repealed)**

Sec. 133. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-134 Section 27.102; permits (Repealed)**

Sec. 134. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-135 Section 27.104; storage and handling (Repealed)**

Sec. 135. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-136 Section 28.102; permits (Repealed)**

Sec. 136. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-137 Section 28.105; storage of agricultural products (Repealed)**

Sec. 137. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-138 Section 28.106; dust-collecting systems (Repealed)**

Sec. 138. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-139 Section 29.102; permits (Repealed)**

Sec. 139. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-140 Section 29.103(a); cleaning with Class I or II liquids (Repealed)**

Sec. 140. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-141 Section 30.101; permits (Repealed)**

Sec. 141. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-142 Section 30.102(a); open yard storage (Repealed)**

Sec. 142. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-143 Section 30.102(d); open yard storage (Repealed)**

Sec. 143. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-144 Section 30.103(a); operational fire hazards in lumber yards (Repealed)**

Sec. 144. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-145 Section 30.104(a); fire extinguishing appliances in open yards and buildings (Repealed)**

Sec. 145. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-146 Section 31.102; permits (Repealed)**

Sec. 146. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-147 Section 31.105; ventilation (Repealed)**

Sec. 147. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-147.1 Section 32.102; definitions; temporary membrane structure (Repealed)**

Sec. 147.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-147.2 Section 32.102; definitions; temporary (Repealed)**

Sec. 147.2. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-148 Section 32.103; permits (Repealed)**

Sec. 148. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-148.1 Section 32.104; use period (Repealed)**

Sec. 148.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-149 Table No. 32.105; location, access and parking (Repealed)**

Sec. 149. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-150 Section 32.106; structural stability (Repealed)**

Sec. 150. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-151 Section 32.108; smoking and open flames (Repealed)**

Sec. 151. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-152 Section 32.109; portable fire extinguishers and other fire protection appliances (Repealed)**

Sec. 152. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-153 Section 32.110; standby personnel (Repealed)**

Sec. 153. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-154 Section 32.111(e); exits; aisles (Repealed)**

Sec. 154. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-155 Section 32.117(a); heating and cooking equipment; general (Repealed)**

Sec. 155. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-156 Section 32.119; housekeeping (Repealed)**

Sec. 156. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-157 Section 33.102; permits (Repealed)**

Sec. 157. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-158 Section 33.104; storage and handling (Repealed)**

Sec. 158. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-159 Section 34.102; permits (Repealed)**

Sec. 159. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-160 Section 34.104; burning operations (Repealed)**

Sec. 160. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-161 Section 34.108; storage of flammable and combustible liquids (Repealed)**

Sec. 161. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-162 Section 35.103; permits (Repealed)**

Sec. 162. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-163 Section 35.104; fueled equipment (Repealed)**

Sec. 163. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-164 Section 35.104(d); flammable liquids or gas (Repealed)**

Sec. 164. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-165 Section 36.102; permits (Repealed)**

Sec. 165. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-166 Article 37; educational and institutional fire drills (Repealed)**

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Sec. 166. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-167 Section 37.101; general (Repealed)**

Sec. 167. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-168 Section 37.102; frequency (Repealed)**

Sec. 168. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-169 Section 37.103; records (Repealed)**

Sec. 169. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-170 Section 37.104; evacuation (Repealed)**

Sec. 170. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-171 Section 37.105; notification (Repealed)**

Sec. 171. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-172 Section 45.102; permits (Repealed)**

Sec. 172. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-173 Section 45.103; smoking prohibited (Repealed)**

Sec. 173. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-174 Section 45.104; welding warning signs (Repealed)**

Sec. 174. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-175 Section 45.203; spray booths; separation (Repealed)**

Sec. 175. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-176 Section 45.207; limited spraying areas (Repealed)**

Sec. 176. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-177 Section 45.211(d); drying apparatus (Repealed)**

Sec. 177. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-178 Section 45.304; storage and handling of flammable or combustible liquids (Repealed)**

Sec. 178. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-179 Section 45.306; operating and maintenance (Repealed)**

Sec. 179. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-180 Section 45.401; equipment type and location (Repealed)**

Sec. 180. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-181 Section 45.405; ventilation (Repealed)**

Sec. 181. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-182 Section 45.501(a); operations included (Repealed)**

Sec. 182. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-183 Section 45.707; personnel qualifications (Repealed)**

Sec. 183. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-184 Section 46.102; permits (Repealed)**

Sec. 184. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-185 Section 46.103(a); use of ethylene (Repealed)**

Sec. 185. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-186 Section 46.103(c); use of ethylene (Repealed)**

Sec. 186. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-187 Section 47.102; permits (Repealed)**

Sec. 187. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-188 Section 47.104; notification of fumigation (Repealed)**

Sec. 188. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-189 Section 47.105; breathing apparatus required (Repealed)**

Sec. 189. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-190 Section 47.111; warehouse fumigations (Repealed)**

Sec. 190. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-191 Section 48.102; permits (Repealed)**

Sec. 191. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-192 Section 49.101(c); general requirements (Repealed)**

Sec. 192. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-193 Section 49.109(c); storage of calcium carbide in buildings (Repealed)**

Sec. 193. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-194 Section 50.103; permits (Repealed)**

Sec. 194. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-195 Section 51.102; definitions (Repealed)**

Sec. 195. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-196 Section 51.103; permits (Repealed)**

Sec. 196. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-197 Section 51.105; fabrication area; ventilation controls (Repealed)**

Sec. 197. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-198 Section 51.109; handling of hazardous production materials within service corridors (Repealed)**

Sec. 198. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-199 Section 51.110(b); storage of hazardous production materials within buildings (Repealed)**

Sec. 199. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-200 Section 51.111(a); emergency plan (Repealed)**

Sec. 200. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-201 Section 61.106(c); portable unvented oil-burning heating appliances (Repealed)**

Sec. 201. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-202 Section 62.102; permits and plans required (Repealed)**

Sec. 202. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-203 Section 63.101; scope (Repealed)**

Sec. 203. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-204 Section 63.102; classifications (Repealed)**

Sec. 204. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-205 Section 63.103; permits (Repealed)**

Sec. 205. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-206 Section 63.106; instructions (Repealed)**

Sec. 206. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-207 Section 63.107; emergency signs and labels (Repealed)**

Sec. 207. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-208 Section 63.108; diffusion system (Repealed)**

Sec. 208. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-209 Section 74.103; permits (Repealed)**

Sec. 209. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-210 Section 74.104; storage containers (Repealed)**

Sec. 210. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-211 Section 74.105; cylinder systems for compressed gases (Repealed)**

Sec. 211. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-212 Section 74.107; storage and use of cylinders; general (Repealed)**

Sec. 212. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-213 Section 74.109; operations and maintenance (Repealed)**

Sec. 213. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-214 Article 74, Division II; medical (Repealed)**

Sec. 214. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-215 Section 74.201; general (Repealed)**

Sec. 215. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-216 Section 75.103; permits (Repealed)**

Sec. 216. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-217 Section 75.104; approval of containers, equipment, and devices (Repealed)**

Sec. 217. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-218 Section 75.105(b); electrical equipment (Repealed)**

Sec. 218. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-219 Section 75.107; warning labels (Repealed)**

Sec. 219. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-220 Section 75.108; dispensing areas (Repealed)**

Sec. 220. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-221 Section 75.201; container design, construction and testing (Repealed)**

Sec. 221. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-222 Section 75.205; nameplate (Repealed)**

Sec. 222. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-223 Section 75.302; drainage for aboveground containers (Repealed)**

Sec. 223. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-224 Section 75.601; containers, tanks and vessels (Repealed)**

Sec. 224. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-225 Section 75.602; vehicles (Repealed)**

Sec. 225. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-226 Section 76.102; permits (Repealed)**

Sec. 226. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-227 Section 76.103; grounding (Repealed)**

Sec. 227. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-228 Section 77.104; permits (Repealed)**

Sec. 228. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-229 Section 77.105; insurance (Repealed)**

Sec. 229. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-230 Section 77.106; general requirements (Repealed)**

Sec. 230. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-231 Section 77.201; storage of explosives (Repealed)**

Sec. 231. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-232 Table No. 77.201-A (Repealed)**

Sec. 232. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-233 Table No. 77.201-B (Repealed)**

Sec. 233. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-234 Section 77.202; magazines (Repealed)**

Sec. 234. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-235 Section 77.203; gunpowder (Repealed)**

Sec. 235. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-236 Section 77.204; Class II magazines (Repealed)**

Sec. 236. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-237 Section 77.301; use and handling of explosives (Repealed)**

Sec. 237. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-238 Section 77.302; transportation of explosives (Repealed)**

Sec. 238. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-239 Section 77.303; explosives and blasting agents at terminals (Repealed)**

Sec. 239. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-240 Section 77.304; blasting agents; general (Repealed)**

Sec. 240. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-241 Section 77.305; mixing blasting agents (Repealed)**

Sec. 241. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-242 Section 77.306; transportation of blasting caps (Repealed)**

Sec. 242. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-243 Section 77.307; seizure of explosives and blasting agents (Repealed)**

Sec. 243. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-244 Section 77.401; manufacturing, assembling, and testing (Repealed)**

Sec. 244. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-245 Section 77.409; location of explosive detonations for testing (Repealed)**

Sec. 245. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-246 Section 77.410(a); disposal of waste explosives and fireworks (Repealed)**

Sec. 246. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-247 Article 77, Division V; alternative criteria for explosive laboratory operations (Repealed)**

Sec. 247. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-248 Section 78.102; permits for manufacture, sale and discharge (Repealed)**

Sec. 248. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-249 Section 78.103; bond for fireworks display required (Repealed)**

Sec. 249. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-250 Section 78.106; seizure of fireworks (Repealed)**

Sec. 250. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-251 Section 78.107; public display of fireworks (Repealed)**

Sec. 251. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-252 Section 79.101; scope; general (Repealed)**

Sec. 252. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-253 Section 79.102(b); definitions (Repealed)**

Sec. 253. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-254 Section 79.103; permits (Repealed)**

Sec. 254. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-255 Section 79.104; portable tanks, containers and equipment (Repealed)**

Sec. 255. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-256 Section 79.105(c); atmospheric tanks (Repealed)**

Sec. 256. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-257 Section 79.105(d); low-pressure tanks (Repealed)**

Sec. 257. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-258 Section 79.105(e); pressure vessels (Repealed)**

Sec. 258. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-259 Section 79.105(f); design and construction of tanks; materials (Repealed)**

Sec. 259. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-260 Section 79.108; warning signs (Repealed)**

Sec. 260. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-261 Section 79.115; abandonment and status of tanks (Repealed)**

Sec. 261. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-262 Section 79.201(e); quantities allowed within specified buildings (Repealed)**

Sec. 262. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-263 Section 79.202; inside liquid storage room (Repealed)**

Sec. 263. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-264 Section 79.203; liquid storage rooms (Repealed)**

Sec. 264. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-265 Section 79.204; liquid storage warehouses (Repealed)**

Sec. 265. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-266 Section 79.301; stationary tank storage inside buildings (Repealed)**

Sec. 266. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-267 Section 79.302(a); tank connections; normal venting; general (Repealed)**

Sec. 267. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-268 Sections 79.401 and 79.402; container and portable tank storage outside buildings (Repealed)**

Sec. 268. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-269 Section 79.501; restricted locations (Repealed)**

Sec. 269. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-270 Section 79.503(g); use of open space on adjacent property (Repealed)**

Sec. 270. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-271 Section 79.505; supports, foundations and anchorage (Repealed)**

Sec. 271. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-272 Section 79.507; drainage dikes and walls for aboveground tanks (Repealed)**

Sec. 272. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-273 Section 79.509; tank connections (Repealed)**

Sec. 273. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-274 Section 79.510; fire protection (Repealed)**

Sec. 274. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-275 Section 79.601(c); anchorage (Repealed)**

Sec. 275. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-276 Section 79.603; corrosion protection (Repealed)**

Sec. 276. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-277 Section 79.604; tank connections (Repealed)**

Sec. 277. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-278 Section 79.605; testing (Repealed)**

Sec. 278. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-279 Section 79.701(a); materials and design; general (Repealed)**

Sec. 279. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-280 Section 79.705; swing joints (Repealed)**

Sec. 280. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-281 Section 79.708; testing (Repealed)**

Sec. 281. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-282 Section 79.802(a); inside operations; general (Repealed)**

Sec. 282. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-283 Section 79.804; design and construction of inside use, dispensing and mixing (Repealed)**

Sec. 283. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-284 Section 79.807(c); loading and unloading facilities; fire protection (Repealed)**

Sec. 284. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-285 Section 79.902; storage; general provisions (Repealed)**

Sec. 285. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-286 Section 79.903; dispensing services (Repealed)**

Sec. 286. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-287 Section 79.904; pressure delivery service stations (Repealed)**

Sec. 287. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-288 Section 79.905; electrical equipment (Repealed)**

Sec. 288. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-289 Section 79.910; marine service stations (Repealed)**

Sec. 289. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-290 Section 79.911(d); fire protection; hose stations (Repealed)**

Sec. 290. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-291 Section 79.912; vapor recovery (Repealed)**

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Sec. 291. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-292 Section 79.1002; permits (Repealed)**

Sec. 292. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-293 Section 79.1006; individual containers of 60 gallon or less capacity each (Repealed)**

Sec. 293. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-294 Section 79.1102; permits (Repealed)**

Sec. 294. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-295 Section 79.1104(c); waste control; clearing around walls and tanks (Repealed)**

Sec. 295. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-296 Section 79.1106; prevention of blowouts (Repealed)**

Sec. 296. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-297 Section 79.1108; soundproofing material (Repealed)**

Sec. 297. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-298 Section 79.1201; permits (Repealed)**

Sec. 298. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-299 Section 79.1202; tank vehicle construction (Repealed)**

Sec. 299. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-300 Section 79.1203(a); full trailers and semitrailers; attachments (Repealed)**

Sec. 300. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-301 Section 79.1204(j); operation of tank vehicles; liquid temperature (Repealed)**

Sec. 301. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-302 Section 79.1306; separation of unstable liquids (Repealed)**

Sec. 302. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-303 Section 79.1312(d); fire protection; special extinguishing equipment (Repealed)**

Sec. 303. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-304 Section 79.1403(a); ventilation; general (Repealed)**

Sec. 304. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-305 Section 79.1408; ignition sources (Repealed)**

Sec. 305. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-306 Section 79.1503(b); location of processing vessel; interior location (Repealed)**

Sec. 306. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-307 Section 79.1505(a); ventilation; general (Repealed)**

Sec. 307. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-308 Section 79.1508(c); piping valves and fittings; identification (Repealed)**

Sec. 308. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-309 Section 79.1602; locations (Repealed)**

Sec. 309. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-310 Section 79.1605; pressure vessels (Repealed)**

Sec. 310. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-311 Division XVII; transportation pipelines (Repealed)**

Sec. 311. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-312 Section 79.1803; permits (Repealed)**

Sec. 312. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-313 Section 79.1804(a); solvents; changes in class (Repealed)**

Sec. 313. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-314 Section 79.1806(a); occupancy requirements; general (Repealed)**

Sec. 314. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-315 Section 79.1810(f); solvent containers, tanks transferring equipment; treatment tanks (Repealed)**

Sec. 315. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-316 Section 79.1813; drying tumblers and cabinets (Repealed)**

Sec. 316. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-317 Section 80.101; scope (Repealed)**

Sec. 317. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-318 Section 80.102; definitions (Repealed)**

Sec. 318. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-319 Section 80.103; permits (Repealed)**

Sec. 319. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-320 Section 80.104; general requirements (Repealed)**

Sec. 320. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-321 Section 80.105; construction requirements (Repealed)**

Sec. 321. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-322 Section 80.107; facility closure plans (Repealed)**

Sec. 322. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-323 Section 80.108; out-of-service facilities (Repealed)**

Sec. 323. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-324 Section 80.109; reactive and unstable materials (Repealed)**

Sec. 324. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-325 Article 80, Division II; classification by hazard (Repealed)**

Sec. 325. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-326 Section 80.301; storage requirements (Repealed)**

Sec. 326. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-327 Section 80.303; compressed gases (Repealed)**

Sec. 327. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-328 Section 80.305(a); flammable solids; indoor storage; exempt amounts (Repealed)**

Sec. 328. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-329 Section 80.306(a); liquid and solid oxidizers; indoor storage; exempt amounts (Repealed)**

Sec. 329. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-330 Section 80.307(a); organic peroxides; indoor storage; exempt amounts (Repealed)**

Sec. 330. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-331 Section 80.308(a); pyrophoric materials; indoor storage; exempt amounts (Repealed)**

Sec. 331. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-332 Section 80.309(a); unstable (reactive) materials; indoor storage; exempt amounts (Repealed)**

Sec. 332. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-333 Section 80.310(a); water-reactive materials; indoor storage (Repealed)**

Sec. 333. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-334 Section 80.312; highly toxic solids and liquids (Repealed)**

Sec. 334. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-335 Section 80.313; radioactive materials (Repealed)**

Sec. 335. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-336 Section 80.314; corrosives (Repealed)**

Sec. 336. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-337 Section 80.315; other health hazard solids, liquids and gases (Repealed)**

Sec. 337. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-338 Section 80.401; general (Repealed)**

Sec. 338. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-339 Section 80.402; dispensing and use; exempt amounts (Repealed)**

Sec. 339. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-340 Section 80.403; handling (Repealed)**

Sec. 340. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-341 Table No. 80.402-A (Repealed)**

Sec. 341. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-342 Table No. 80.402-B (Repealed)**

Sec. 342. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-343 Section 81.102; definitions (Repealed)**

Sec. 343. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-344 Section 81.103; permits (Repealed)**

Sec. 344. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-345 Section 81.104; classification of contents (Repealed)**

Sec. 345. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-346 Section 81.105; fire protection (Repealed)**

Sec. 346. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-347 Table No. 81.105; requirements for fire protection (Repealed)**

Sec. 347. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-348 Section 81.106; automatic fire extinguishing systems (Repealed)**

Sec. 348. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-349 Section 81.108; aisles (Repealed)**

Sec. 349. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-350 Subsection 81.109(b); access to building; access doors (Repealed)**

Sec. 350. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-351 Section 81.110; small hose connections (Repealed)**

Sec. 351. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-352 Section 81.111; high-rack storage systems (Repealed)**

Sec. 352. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-353 Section 82.101; scope (Repealed)**

Sec. 353. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-354 Section 82.102; permits and reports of installations (Repealed)**

Sec. 354. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-355 Section 82.103; installation of equipment (Repealed)**

Sec. 355. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-356 Section 82.104; location of containers (Repealed)**

Sec. 356. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-357 Subsection 82.106(d); dispensing and overfilling; dispensing location (Repealed)**

Sec. 357. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-358 Section 82.108; smoking and other sources of ignition (Repealed)**

Sec. 358. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-359 Section 82.111; fire protection (Repealed)**

Sec. 359. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-360 Section 82.112; storage of portable containers awaiting resale (Repealed)**

Sec. 360. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-361 Subsection 82.113(b); containers not in service; permanently out of service (Repealed)**

Sec. 361. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-362 Section 82.114; parking and garaging (Repealed)**

Sec. 362. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-363 Sections 83.101; permits (Repealed)**

Sec. 363. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-364 Section 83.105; storage by retailers (Repealed)**

Sec. 364. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-365 Section 84.101; scope (Repealed)**

Sec. 365. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-366 Subsection 85.103(c); use of temporary wiring; attachment to structures (Repealed)**

Sec. 366. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-366.1 Section 85.108; access (Repealed)**

Sec. 366.1. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-367 Section 85.109; nonapproved appliances (Repealed)**

Sec. 367. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-368 Article 86; pesticides-storage (Repealed)**

Sec. 368. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-369 Section 87.102; approval (Repealed)**

Sec. 369. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-370 Section 87.103; fire safety during construction (Repealed)**

Sec. 370. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-370.1 Section 88.101; purpose, scope (Repealed)**

Sec. 370.1. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-370.2 Section 88.102; definitions (Repealed)**

Sec. 370.2. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-370.3 Section 88.103; fire safety requirements (Repealed)**

Sec. 370.3. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-371 Appendix I-A; emergency escape plan (Repealed)**

Sec. 371. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-372 Appendix I-B; emergency information (Repealed)**

Sec. 372. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-373 Appendix I-C; stairway identification (Repealed)**

Sec. 373. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-374 Division II; environmental hazard controls (Repealed)**

Sec. 374. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

**675 IAC 22-2.1-375 Division III; fire protection (Repealed)**

Sec. 375. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-376 Division IV; flammable floor coverings (Repealed)**

Sec. 376. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-377 Division V; standards (Repealed)**

Sec. 377. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-378 Division VI-A; hazardous materials classifications; intent (Repealed)**

Sec. 378. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-379 Appendix VI-A, subsection 2(a)2(iii); corrosive (Repealed)**

Sec. 379. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-380 Appendix VI-A, subsection 2(a)2(iv); highly toxic (Repealed)**

Sec. 380. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-381 Appendix VI-A, subsection 2(a)2(v); toxic (Repealed)**

Sec. 381. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-382 Appendix VI-A; oxidizers; organic peroxides; unstable (reactive) material; water-reactive materials (Repealed)**

Sec. 382. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-383 Appendix VI-A, subsection 2(a)10(iii); corrosive (Repealed)**

Sec. 383. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-384 Appendix VI-A, subsection 2(a)10(v); highly toxic (Repealed)**

Sec. 384. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-385 Appendix VI-A, subsection 2(b); health hazards (Repealed)**

Sec. 385. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-386 Appendix VI-A, section 3; evaluation of hazards (Repealed)**

Sec. 386. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-387 Appendix VI-A, section 4; reference publications; general (Repealed)**

Sec. 387. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-388 Appendix VI-B; emergency relief venting for fire exposure for aboveground tanks (Repealed)**

Sec. 388. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-389 Appendix VI-C; model citation program (Repealed)**

Sec. 389. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-390 Appendix VI-D; reference tables from 675 IAC 13, the Indiana building code (Repealed)**

Sec. 390. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

**675 IAC 22-2.1-391 Appendix VI-D; Table No. 5-B; required separation in buildings of mixed occupancy (Repealed)**

Sec. 391. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

**675 IAC 22-2.1-392 Appendix VI-D; Table No. 5-C; basic allowable floor area for buildings one (1) story in height (Repealed)**

Sec. 392. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

**675 IAC 22-2.1-393 Appendix VI-D; Table No. 5-D; maximum height of buildings (Repealed)**

Sec. 393. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

**675 IAC 22-2.1-394 Appendix VI-D; Table No. 17-A; types of construction; fire-resistive construction (Repealed)**

Sec. 394. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

**675 IAC 22-2.1-395 Appendix VI-D; Table No. 33-A; minimum egress and access requirements (Repealed)**

Sec. 395. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

**Rule 2.2. 1998 Indiana Fire Code**

**675 IAC 22-2.2-1 Adoption by reference (Repealed)**

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-2 Section 101.1; title; availability (Repealed)**

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-3 NFPA 10; standard for portable fire extinguishers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 3. (a) That certain standard, being titled NFPA 10, Standard for Portable Fire Extinguishers, 1994, published by the

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FIRE PREVENTION AND BUILDING SAFETY COMMISSION

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National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 10 are not adopted, are not enforceable, and are for information only:

- (1) NFPA 96.
- (2) ANSI/UL 1903.
- (3) CGA C-1.
- (4) CGA C-6.
- (5) CGA C-6.1.

(c) The following documents referenced in NFPA 10 are adopted and are enforceable:

- (1) NFPA 14 adopted in 675 IAC 13-1-8.
- (2) NFPA 231 adopted in section 19 of this rule.
- (3) NFPA 704 adopted in section 24 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Delete section 1-1 and substitute the following: Scope. The provisions of this standard apply to the selection, installation, inspection, maintenance, and testing of portable extinguishing systems.

(f) Delete section 1-2 in its entirety.

(g) Amend section 1-3 as follows:

(1) Amend the following definitions to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

HALOGENATED AGENTS means halogenated (clean) agents referenced in this standard are the following types:

(A) Halons. Bromochlorodifluoromethane (Halon 1211), bromotrifluoromethane (Halon 1301), and mixtures of Halon 1211 and Halon 1301 (Halon 1211/1301).

NOTE: Halon 1211 and Halon 1301 are included in the "Montreal Protocol on Substances that Deplete the Ozone Layer", signed September 16, 1987. In compliance with National regulations, production of halons ceased on January 1, 1994.

(B) Halocarbons. Halocarbon agents include hydrochlorofluoro-carbon (\*HCFC), hydrofluorocarbon (HFC), perfluorocarbon (PFC), and fluoriodocarbon (FIC) type agents.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

MAINTENANCE means a thorough examination of the fire extinguisher and any necessary repair.

(2) Add the following definitions:

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

INSPECTION AUTHORITY means the Indiana state fire marshal, or the fire chief, or the Indiana state building commissioner, or the local building official, or their authorized representative.

(h) Amend section 1-4.3 to read as follows: Portable fire extinguishers used to comply with this standard shall be listed and labeled.

(i) Delete section 1-6.4 without substitution.

(j) Delete section 1-6.8 without substitution.

(k) Amend section 1-7(b) to read as follows: Hazardous materials shall be identified in accordance with NFPA 704. Hazardous materials shall be classified in accordance with Article 80 of the Indiana Fire Code.

(l) Delete the text of section 2-1 and substitute the following: Extinguishers shall be suitable for the anticipated growth and character of the fire, construction, and occupancy of the individual property or premises, the vehicle or hazard to be protected, and ambient-temperature conditions. Selection of the class, size, number, and location of extinguishers shall be as specified in the Indiana Fire Code.

(m) Delete the text of section 2-3.2 and substitute "See section 1006.2.7 of the Indiana Fire Code".

(n) Delete section 2-4 in its entirety.

(o) Amend section 3-1.2 to read as follows: Fire extinguishers shall be provided for the protection of the occupancy hazard as required by the building code (675 IAC 13) and the fire code.

(p) Delete section 3-1.2.1 without substitution.

(q) Delete section 3-1.2.3 without substitution.

(r) In section 3-1.2.4, delete the first sentence.

(s) Delete section 3-1.3 without substitution.

(t) Amend the second sentence of section 4-1.2 to read as follows: A trained person shall service the fire extinguishers once every year, as outlined in section 4-4.

(u) Delete section 4-2 in its entirety.

(v) Amend section 4-4.3.1 to read as follows:

4-4.3.1\* Fire extinguisher shells that pass the applicable six (6) year requirement of 4-4.1.4 shall have the test information recorded on a suitable metallic label or equally durable material, a minimum size of two (2) inches by three and one-half (3½) inches (5.1 cm x 8.9 cm).

The label shall be affixed to the shell by means of a heatless process. These labels shall be self-destructive when removal from a fire extinguisher is attempted. These labels shall include the following information:

(a) Month and year the test was performed, indicated by a perforation such as by a hand punch.

(b) Name or initials of the person performing the test, and the name of the agency performing the test.

4-4.3.1.1 In addition to having a label affixed to the shell, rechargeable dry chemical fire extinguishers shall have an internal legible marking to indicate the following:

(a) Month and year the maintenance was performed.

(b) Name or initials of person performing the maintenance and the name of the agency.

If a label is used for the above marking, it shall be of material that is component-listed for that purpose.

(w) Chapter 6 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards reference therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-3; filed Aug 28, 1998, 5:02 p.m.: 22 IR 92; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-4 NFPA 15; standard for water spray fixed systems for fire protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 4. (a) That certain document, being titled NFPA 15—Standard for Water Spray Fixed Systems for Fire Protection, 1996 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 15 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 16.

(2) NFPA 18.

(3) NFPA 22.

(4) NFPA 24.

(5) NFPA 49.

(6) NFPA 214.

(7) NFPA 325.

- (8) AWS D 10.9.
- (9) ANSI B16.1.
- (10) ANSI B16.3.
- (11) ANSI B16.4.
- (12) ANSI B16.5.
- (13) ANSI B16.9.
- (14) ANSI B16.11.
- (15) ANSI B16.18.
- (16) ANSI B16.22.
- (17) ANSI B16.25.
- (18) ASTM A182.
- (19) ASTM A234.
- (20) ASTM A536.

(c) The following documents referenced in NFPA 15 are adopted and are enforceable:

- (1) NFPA 13 adopted in 675 IAC 13-1-8.
- (2) NFPA 14 adopted in 675 IAC 13-1-9.
- (3) NFPA 20 adopted in 675 IAC 13-1-10.
- (4) NFPA 25 adopted in section 5 of this rule.
- (5) NFPA 72 adopted in section 17 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Amend section 1-4 as follows:
  - (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

FLAMMABLE AND COMBUSTIBLE LIQUIDS. See the Indiana Fire Code.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(f) In section 1-4, delete the following definition: SHOULD.

(g) Delete section 1-8 in its entirety.

(h) Amend section 3-3.2.3 to read as follows: Tapping or drilling of load-bearing structural members shall be in accordance with the building code (675 IAC 13).

(i) Amend the exception to section 4-1.2 to read as follows: Other design objectives requiring different protection shall be permitted in accordance with 675 IAC 12-6-11.

(j) Delete Chapter 5 and substitute to read: Plans and hydraulic calculations shall be submitted in accordance with 675 IAC 12-6.

(k) Delete section 7-1 without substitution.

(l) Chapter 10 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-4; filed Aug 28, 1998, 5:02 p.m.: 22 IR 94; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-5 NFPA 25; standard for the inspection, testing, and maintenance of water-based fire protection systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 5. (a) That certain document, being titled NFPA 25—Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 25 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 16.
- (2) NFPA 16A.
- (3) NFPA 22.
- (4) NFPA 110.
- (5) NFPA 307.
- (6) NFPA 1962.
- (7) AWWA D100 (AWS D5.2).

(c) The following documents referenced in NFPA 25 are adopted and are enforceable:

- (1) NFPA 11 adopted in 675 IAC 13-1-6 [*675 IAC 13-1-6 was repealed filed Aug 15, 1997, 8:54 a.m.: 21 IR 104.*]
- (2) NFPA 13 adopted in 675 IAC 13-1-8.
- (3) NFPA 15 adopted in section 4 of this rule.
- (4) NFPA 20 adopted in 675 IAC 13-1-10.
- (5) NFPA 72 adopted in section 17 of this rule.

(d) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Amend section 1-1 by deleting in the fifth sentence the phrase “in accordance with generally accepted practices” and in the sixth sentence delete the phrase “in accordance with generally accepted practices” and substitute the word “properly”.

(f) Amend section 1-4.2 by deleting the last sentence of the second paragraph and substituting the following: These tasks shall be performed by qualified individuals.

(g) Amend section 1-4.3 to read as follows: The owner or occupant shall notify the servicing fire department and the alarm receiving facility before testing/shutting down a system or its supply. The notification shall include the purpose for the shutdown, the system or component involved, and the estimated time of shutdown. The servicing fire department shall be notified when the system is returned to service.

(h) Amend section 1-4.7 by deleting the last sentence without substitution.

(i) Amend section 1-5 as follows:

(1) Amend the following definitions to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, the state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified

manner.

QUALIFIED: See Qualified Individual.

(2) Add the following definitions:

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

QUALIFIED INDIVIDUAL means a person having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired. Such instruction shall be provided by the manufacturer of the equipment or their authorized representative.

(j) Amend section 1-7 to read as follows: Where an impairment to a water-based fire protection system occurs, the procedures outlined in Chapter 10 of this standard shall be followed, including the attachment of a tag to the impaired system. The servicing fire department shall be notified when a system is impaired and when the system is returned to service.

(k) In section 2-2.5, delete the word “adequate” in the last sentence.

(l) In section 4-1, delete Exception No. 2.

(m) In section 4-3.1, amend the last sentence to read as follows: Any flow test results that indicate deterioration of available waterflow and pressure shall be investigated to ensure that the available waterflow and pressure provide the waterflow and pressure the fire protection system was designed to provide.

(n) Delete section 4-3.4 without substitution.

(o) Amend section 5-1.6 to read as follows: The energy sources for the pump driver shall supply the necessary brake horsepower of the driver so that the pump meets system demand.

(p) In sections 5-3.4.1 and 5-3.4.2, delete all text after the word “tested”.

(q) In section 5-3.5.1, delete “those skilled in such matters” and substitute “a qualified individual”.

(r) Amend section 6-4.12 to read as follows: Repair work and replacement parts shall meet the original design criteria.

(s) Amend section 6-4.14 to read as follows: All welding performed on the tank shall be completed and tested in accordance with nationally recognized standards.

(t) Amend section 7-4 to read as follows: Water spray fixed systems shall be maintained to ensure they perform as designed. Frequency of system tests shall be in accordance with Table 7-3.1. They shall be serviced in accordance with this standard and with the manufacturer's instructions.

(u) Amend section 7-4.1.3 to read as follows: The owner's representative and the servicing fire department or fire brigade shall be notified that testing is to be conducted so they have the opportunity to observe the inspection and testing of the water spray fixed system.

(v) Amend section 7-4.3.4 as follows:

(1) Amend the second sentence to read as follows: A second pressure reading shall be recorded at the deluge valve.

(2) In the third sentence, delete everything after “met”.

(w) In section 7-4.4, delete everything after the words “tested simultaneously”.

(x) Amend section 8-1.2 to read as follows: This section shall apply to foam-water systems.

This section does not include systems detailed in NFPA 11, Standard for Low Expansion Foam.

(y) In section 9-3.2.2, delete the words “applicable NFPA standards” and substitute “rules of the commission”.

(z) In section 9-3.2.3, delete the words “applicable NFPA standards” and substitute “rules of the commission”.

(aa) In section 9-3.3.1, Exception No. 1, delete the words “applicable NFPA standards” and substitute “rules of the commission”.

(bb) In section 9-6.1.1, amend the exception to read as follows: Valves secured with locks or electrically supervised in accordance with the rules of the commission shall be inspected monthly.

(cc) In section 9-6.1.2, amend the exception to read as follows: Valves secured with locks or electrically supervised in accordance with the rules of the commission shall be inspected monthly.

(dd) Amend section 9-6.3.1 by deleting the word “trained” and substituting “Qualified”.

(ee) Chapter 12 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-5; filed Aug 28, 1998, 5:02 p.m.: 22 IR 95; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-6 NFPA 33; standard for spray application using flammable and combustible materials**

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. (a) That certain document, being titled NFPA 33—Standard for Spray Application Using Flammable and Combustible Materials, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference as if fully set out in this section, except as revised.

(b) The following documents referenced in NFPA 33 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30.
- (2) NFPA 43B.
- (3) NFPA 68.
- (4) NFPA 69.
- (5) NFPA 77.
- (6) NFPA 91.
- (7) NFPA 101.
- (8) NFPA 220.
- (9) NFPA 255.
- (10) NFPA 259.
- (11) UL 900.
- (12) ASTM E136.

(c) The following documents referenced in NFPA 33 are adopted and are enforceable:

- (1) NFPA 10 adopted in section 5 of this rule.
- (2) NFPA 12 adopted in 675 IAC 13-1-7 [*675 IAC 13-1-7 was repealed filed Aug 15, 1997, 8:54 a.m.: 21 IR 104.J.*]
- (3) NFPA 13 adopted in 675 IAC 13-1-8.
- (4) NFPA 17 adopted in 675 IAC 13-1-9.5.
- (5) NFPA 51B adopted in section 12 of this rule.
- (6) NFPA 86 adopted in section 18 of this rule.
- (7) NFPA 2001 adopted in 675 IAC 13-1-28.

(d) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) In section 1-2.1, delete everything after the first sentence.

(f) Delete section 1-5.

(g) Amend section 1-6 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIQUID means a material that has a melting point which is equal to or less than sixty-eight degrees Fahrenheit (68 °F) (twenty degrees Celsius (20 °C)) and a boiling point which is greater than sixty-eight degrees Fahrenheit (68 °F) (twenty

degrees Celsius (20°C)) at 14.7 psi (101.3 kPa). When not otherwise identified, the term “liquid” includes both flammable and combustible liquids.

COMBUSTIBLE LIQUID means a liquid having a flash point at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)). Combustible liquids are subdivided as follows. The category of combustible liquids does not include compressed gases or cryogenic fluids.

Class II liquids are those having closed cup flash points at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)) and below one hundred forty degrees Fahrenheit (140°F) (sixty degrees Celsius (60°C)).

Class III-A liquids are those having closed cup flash points at or above one hundred forty degrees Fahrenheit (140°F) (sixty degrees Celsius (60°C)) and below two hundred degrees Fahrenheit (200°F) (ninety-three and three-tenths degrees Celsius (93.3°C)).

Class III-B liquids are those liquids having closed cup flash points at or above two hundred degrees Fahrenheit (200°F) (ninety-three and three-tenths degrees Celsius (93.3°C)).

FLAMMABLE LIQUIDS means a liquid having a closed cup flash point below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)). The category of flammable liquids does not include compressed gases or cryogenic fluids. Flammable liquids are further categorized into a group known as Class I liquids.

The Class I category is subdivided as follows:

Class I-A liquids include those having a flash point below seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and having a boiling point below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

Class I-B liquids include those having a flash point below seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and having a boiling point at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

Class I-C liquids include those having a flash point at or above seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

SPRAY BOOTH means a mechanically ventilated appliance of varying dimensions and construction provided to enclose or accommodate a spraying operation and to confine and limit the escape of spray vapor and residue and to exhaust it safely.

SPRAYING AREA mean an area in which quantities of flammable vapors or combustible residues, dusts, or deposits are present due to the operation of spraying processes.

SPRAYING ROOM means a room designed to accommodate spraying operations complying with the building code requirements for a Group H, Division 2 Occupancy.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

MECHANICAL CODE means the Indiana Mechanical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(h) Amend section 2-2 to read as follows: Location: Spray application operations and processes shall be in accordance with the building code (675 IAC 13) and the Indiana Fire Code.

(i) Amend section 3-1.1 to read as follows: Spray booths shall be constructed of steel not less than forty-four thousandths (0.044) inch (1.118 mm) (eighteen (18) gage in thickness or other approved noncombustible materials).

(j) Amend section 3-1.3 to read as follows: Spray rooms shall be constructed and separated from surrounding areas of the building in accordance with the building code (675 IAC 13) and the Indiana Fire Code.

(k) Amend section 3-1.4 to read as follows: Enclosed spray booths and spray rooms shall be provided with means of egress in accordance with the building code (675 IAC 13).

(l) Amend section 3-3 to read as follows: Separation from Other Occupancies. Spray booths shall be separated from other operations in accordance with the building code (675 IAC 13). Multiple connected spray booths shall be considered as "other operations".

(m) Amend section 4-1 to read as follows: Electrical wiring and utilization equipment shall be in accordance with the Indiana Electrical Code (675 IAC 17) and this chapter.

(n) In section 4-6, after the words "requirements of", delete the words "Section 400-2 of".

(o) Amend section 5-1 to read as follows: Ventilating and exhaust systems shall be designed and installed in accordance with the building code (675 IAC 13) and the mechanical code (675 IAC 18).

(p) Delete section 5-3.

(q) Delete section 5-4.

(r) Delete section 5-7.

(s) Amend section 5-9 to read as follows: Exhaust ducts shall be provided with doors, panels, or other means to facilitate inspection, maintenance, cleaning, and access to fire protection devices.

(t) Amend section 6-1 to read as follows: Storage handling and mixing of flammable and combustible liquids shall be in accordance with the Indiana Fire Code.

(u) Delete section 6-2 through 6-5 without substitution.

(v) Amend section 7-1 to read as follows: Spray areas and mixing rooms shall be protected with an approved automatic fire-extinguishing system in accordance with the building code (675 IAC 13).

(w) Delete sections 7-2 through 7-2.5 without substitution.

(x) Delete sections 7-3 through 7-3.2 without substitution.

(y) Amend section 7-4 to read as follows: Approved portable fire extinguishers shall be installed in accordance with NFPA 10 (675 IAC 22-2.2-3).

(z) Delete section 8-11 without substitution.

(aa) Delete the text of Chapter 9 and substitute to read as follows: See the Indiana Fire Code.

(bb) Delete the text of Chapter 10 and substitute to read as follows: See the Indiana Fire Code.

(cc) In section 12-1, delete the word "adequate", and, after the word "ventilation", insert the words "in accordance with the building code (675 IAC 13)".

(dd) Delete the text of Chapter 13 and substitute the following: See the Indiana Fire Code.

(ee) Delete the text of Chapter 14 and substitute the following: See the Indiana Fire Code.

(ff) Delete the text of Chapter 15 and substitute the following: See the Indiana Fire Code.

(gg) Delete the text of Chapter 16 and substitute the following: In accordance with local ordinance.

(hh) Chapter 17 and the appendices are not adopted as part of the code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-6; filed Aug 28, 1998, 5:02 p.m.: 22 IR 96; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-7 NFPA 34; dipping and coating processes using flammable or combustible liquids**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 7. (a) That certain standard, being titled as NFPA 34, Dipping and Coating Processes Using Flammable or Combustible Liquids, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section, except as revised hereafter.

(b) The following documents referenced in NFPA 34 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30.
- (2) NFPA 77.
- (3) NFPA 91.
- (4) NFPA 220.
- (c) The following documents referenced in NFPA 34 are adopted and are enforceable:
  - (1) NFPA 10 adopted in section 3 of this rule.
  - (2) NFPA 11 adopted in 675 IAC 13-1-6 [675 IAC 13-1-6 was repealed filed Aug 15, 1997, 8:54 a.m.: 21 IR 104.].
  - (3) NFPA 12 adopted in 675 IAC 13-1-7 [675 IAC 13-1-7 was repealed filed Aug 15, 1997, 8:54 a.m.: 21 IR 104.].
  - (4) NFPA 13 adopted in 675 IAC 13-1-8.
  - (5) NFPA 15 adopted in section 4 of this rule.
  - (6) NFPA 17 adopted in 675 IAC 13-1-9.5.
  - (7) NFPA 86 adopted in section 18 of this rule.
  - (8) NFPA 2001 adopted in 675 IAC 13-1-28.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) In section 1-2.1, delete everything after the first sentence.
- (f) Delete section 1-5 without substitution.
- (g) Amend section 1-6 as follows:
  - (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

BOILING POINT means the boiling point of a liquid at a pressure of 14.7 psi (101.3 kPa). Where an accurate boiling point is unavailable for the material in question, or for mixtures which do not have a constant boiling point, for purposes of this classification, the ten percent (10%) point of a distillation performed in accordance with nationally recognized standards is allowed to be used as the boiling point of the liquid. See Article 90, Standard a.4.3 of the Indiana Fire Code.

CLOSED CONTAINER means a container sealed by means of a lid or other device such that liquid, vapor, or dusts will not escape from it under ordinary conditions of use or handling.

DIP TANK means a tank, vat, or container of flammable or combustible liquid in which articles or materials are immersed for the purpose of coating, finishing, treating, or similar processes.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIQUID means a material that has a melting point which is equal to or less than sixty-eight degrees Fahrenheit (68°F) (twenty degrees Celsius (20°C)) and a boiling point which is greater than sixty-eight degrees Fahrenheit (68°F) (twenty degrees Celsius (20°C)) at 14.7 psi (101.3 kPa). When not otherwise identified, the term "liquid" includes both flammable and combustible liquids.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE, as applied to building construction materials, means a material which, in the form in which it is used, is either one (1) of the following:

- 1. Material of which no part will ignite and burn when subjected to fire. Any material conforming to UBC Standard 2-1 shall be considered noncombustible.
- 2. Material having a structural base of noncombustible material as defined in Item 1 above, with a surfacing

material not over one-eighth (1/8) inch (3.2 mm) thick which has a flame-spread rating of fifty (50) or less.

“Noncombustible” does not apply to surface finish materials. Material required to be noncombustible for reduced clearances to flues, heating appliances, or other sources of high temperature shall refer to material conforming to Item 1. No material shall be classed as noncombustible which is subject to increase in combustibility or flame-spread rating, beyond the limits herein established, through the effects of age, moisture, or other atmospheric condition.

Flame-spread rating as used herein refers to rating obtained according to tests conducted as specified in UBC Standard 8-1.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

MECHANICAL CODE means the Indiana Mechanical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(h) Amend section 2-1 to read as follows: Dipping and coating processes shall be separated from other operations, materials, or occupancies in accordance with the building code (675 IAC 13).

(i) Delete the text of section 2-4 and substitute to read as follows: Dipping and coating processes shall be located in accordance with the building code (675 IAC 13).

(j) In section 3-1.1, delete the last sentence.

(k) In section 3-6.2, after the word “safe”, insert the word “outside”.

(l) In section 3-7.1, delete the words “NFPA 30, Flammable and Combustible Liquids Code” and insert the words “the Indiana Fire Code”.

(m) In section 5-1, delete the words “NFPA 91, Standard for Exhaust Systems for Air Conveyors and Materials” and insert the words “the mechanical code (675 IAC 18)”.

(n) In section 5-3, delete the phrase “and adequate supply of” at the beginning of the first sentence.

(o) Delete the text of section 5-6 and substitute to read as follows: Exhaust ducts and fasteners shall be in accordance with the mechanical code (675 IAC 18).

(p) Delete the text of Chapter 6 and substitute to read as follows: Storage, handling, and mixing of flammable and combustible liquids shall be in accordance with the Indiana Fire Code.

(q) In section 7-1, delete the words “authority having jurisdiction” and insert the words “building code” (675 IAC 13).

(r) In section 8-1, delete the last sentence.

(s) Delete section 8-6 and substitute to read as follows: Where maintenance operations involve the use of welding, burning, or grinding equipment, such operations shall be in accordance with Article 49 of the Indiana Fire Code.

(t) Delete Chapter 10 without substitution.

(u) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-7; filed Aug 28, 1998, 5:02 p.m.: 22 IR 99; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-8 NFPA 50; standard for bulk oxygen systems at consumer sites**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 8. (a) That certain standard, being titled NFPA 50, Standard for Bulk Oxygen Systems at Consumer Sites, 1996 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter. Chapter 5 of this standard is deleted in its entirety.

(b) The following documents referenced in NFPA 50 are not adopted, are not enforceable, and are for information purposes

only:

- (1) NFPA 55.
- (2) NFPA 99.
- (3) NFPA 220.
- (4) ANSI/ASME B31.3.
- (5) ASME Boiler and Pressure Vessel Code 1993.
- (6) CGA S-1.3.
- (7) ASTM 136.
- (c) NFPA 51 adopted in section 10 of this rule is adopted and is enforceable:
  - (1) NFPA 51 adopted in section 10 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Delete section 1.2.
- (f) Amend section 1-3 as follows:
  - (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

FIRE RESISTIVE CONSTRUCTION: See the building code (675 IAC 13).

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE/LIMITED-COMBUSTIBLE CONSTRUCTION: See the building code (675 IAC 13).

NONCOMBUSTIBLE MATERIAL means a material which, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat. Materials reported as noncombustible, when tested in accordance with ASTM E-136, Standard Method of Test for Behavior of Materials in a Vertical Tube Furnace at 750°C, shall be considered noncombustible materials.

- (2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

ACCESSIBLE, READILY, means capable of being reached safely and quickly for operation, repair, or inspection without requiring those to whom ready access is required to climb over or remove obstacles, or to resort to the use of portable access equipment.

- (g) Delete the text of Chapter 2 and substitute to read as follows:

2-1 Location of Bulk Oxygen Systems

2-1.1 Bulk oxygen storage systems shall be located in accordance with the building code (675 IAC 13).

- (h) Amend section 3-1.2 to read as follows: Liquid oxygen containers shall be listed or labeled.

- (i) Amend section 3-1.3 to read as follows: High-pressure gaseous oxygen containers shall be listed or labeled.

- (j) Amend section 3-2.1 to read as follows: Piping, tubing, and fittings shall be listed or labeled for oxygen service and for the pressures and temperatures involved.

(k) Delete section 3-2.2.

(l) Delete section 3-2.3.

(m) Amend section 3-5.9 to read as follows: Electrical wiring for bulk oxygen equipment shall be in accordance with the Indiana Electrical Code (675 IAC 17).

(n) Chapter 5 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-8; filed Aug 28, 1998, 5:02 p.m.: 22 IR 101; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-9 NFPA 50B; standard for liquefied hydrogen systems at consumer sites**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 9. (a) That certain document, being titled NFPA 50B, Standard for Liquefied Hydrogen Systems at Consumer Sites, 1994 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 50B are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 220.

(2) NFPA 259.

(3) NFPA 496.

(4) ASME B31.3.

(5) ASME Boiler and Pressure Vessel Code.

(6) CGA S-1.1.

(7) CGA S-1.2.

(8) CGA S-1.3.

(9) ASTM E136.

(c) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(d) Delete section 1-2 without substitution.

(e) In section 1-3, amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, the state fire marshal or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

OUTDOOR LOCATION means outside of any building or structure.

(f) In section 1-3, add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

QUALIFIED means having successfully completed a course of instruction related to the equipment being installed, serviced,

or repaired. Such instruction shall be provided by the manufacturer of the equipment or their authorized representative.

(g) Delete section 4-1.2 without substitution.

(h) Delete the text of section 4-2 and substitute to read as follows: Buildings or portions of buildings which contain liquefied hydrogen shall be constructed in accordance with the building code (675 IAC 13).

(i) Delete section 4-3 without substitution.

(j) Chapter 8 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-9; filed Aug 28, 1998, 5:02 p.m.: 22 IR 102; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-10 NFPA 51; oxygen-fuel gas system for welding, cutting, and allied processes**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 10. (a) That certain standard, being titled as NFPA 51, Oxygen-Fuel Gas System for Welding, Cutting and Allied Processes, 1997 Edition, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section, except as revised hereafter.

(b) The following documents referenced in NFPA 51 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 54.
- (2) NFPA 220.
- (3) ANSI B31.3.
- (4) ANSI 249.1.
- (5) ASTM B-88.
- (6) ASTM E136.
- (7) ANSI/CGA C4.
- (8) ANSI CGA V1.
- (9) CGA G1.6.
- (10) CGA F4.1.
- (11) CGA E1.
- (12) CGA E3.

(c) The following documents referenced in NFPA 51 are adopted and are enforceable:

- (1) NFPA 13 adopted in 675 IAC 13-1-8.
- (2) NFPA 15 adopted in section 4 of this rule.
- (3) NFPA 50 adopted in section 8 of this rule.
- (4) NFPA 58 adopted in section 14 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Amend section 1-2 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIMITED-COMBUSTIBLE MATERIALS means a material not complying with the definition of noncombustible material, which, in the form in which it is used, has a potential heat value not exceeding three thousand five hundred

(3,500) Btu per lb (8,141 IJ/kg) and complies with one (1) of the following paragraphs (a) or (b). Materials subject to increase in combustibility or flame spread rating beyond the limits herein established through the effects of age, moisture, or other atmospheric condition shall be considered combustible.

(a) Materials having a structural base of noncombustible material, with a surfacing not exceeding a thickness of one-eighth (1/8) inch (3.2 mm) that has a flame spread rating not greater than fifty (50).

(b) Materials, in the form and thickness used, other than as described in (a), having neither a flame spread rating greater than twenty-five (25) nor evidence of continued progressive combustion and of such composition that surfaces that would be exposed by cutting through the material on any plane would have neither a flame spread rating greater than twenty-five (25) nor evidence of continued progressive combustion.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE MATERIAL means a material that, in the form in which it is used, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat. Materials reported as noncombustible, when tested in accordance with ASTM E-136, Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C, shall be considered noncombustible materials.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

MECHANICAL CODE means the Indiana Mechanical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(f) Amend section 2-2.2 to read as follows: Separate rooms or buildings used for gas cylinder storage shall be provided with natural or mechanical ventilation designed in accordance with the building code and the mechanical code. Ventilation systems shall discharge a minimum of fifty (50) feet (15 m) from intakes of air handling systems, air conditioning equipment, and air compressors.

(g) In section 3-1.3, amend the last sentence to read: Such buildings or rooms shall be in accordance with the building code (675 IAC 13).

(h) Amend section 3-2.3, Exception, to read as follows:

Exception: An oxygen manifold to which cylinders having an aggregate capacity of more than six thousand five hundred (6,500) cubic feet (168 m<sup>3</sup>) of oxygen are connected shall be located as follows:

(a) Outdoors, or

(b) In a separate building constructed in accordance with the building code, or

(c) If located inside a building having occupancy other than that directly associated with the production of acetylene, the storage of calcium carbide, or the storage and manifolding of fuel gases used in welding and cutting, shall be in either a separate room constructed in accordance with the building code or in an area with no combustible material within twenty (20) feet (6 m) of the manifold.

(i) Amend section 4-3.1 to read as follows: 4-3.1 Piping shall be protected against corrosion and physical damage. Piping under buildings or foundations shall be provided with a vented casing or located in a well-ventilated tunnel.

(j) In section 6-4.1.2, delete the word “adequate” and substitute “approved”.

(k) In section 6-4.1.4, delete the word “adequate” and substitute “approved”.

(l) In section 6-4.2, delete the word “sufficient” without substitution and add at the end of the sentence “in accordance with the manufacturer’s instructions”.

(m) Amend section 6-5.1.1 to read as follows: Construction of outside generator houses and inside generator rooms for stationary acetylene generators shall be in accordance with the building code (675 IAC 13).

(n) Delete sections 6-5.1.2 through 6-5.1.8.

(o) Amend section 6-5.2 to read as follows: Ventilation. Inside generator rooms or outside generator houses shall be ventilated in accordance with the building code (675 IAC 13) and the Indiana Mechanical Code (675 IAC 18).

(p) Chapter 9 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-10;*

filed Aug 28, 1998, 5:02 p.m.: 22 IR 103; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419)

**675 IAC 22-2.2-11 NFPA 51A; standard for acetylene cylinder charging plants**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 11. (a) That certain document, being titled NFPA 51A, Standard for Acetylene Cylinder Charging Plants, 1996 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 51A are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 30.

(2) NFPA 101.

(3) NFPA 220.

(4) ANSI A13.1.

(5) ASTM E136.

(c) The following documents referenced in NFPA 51A are adopted and are enforceable:

(1) NFPA 13 adopted in 675 IAC 13-1-8.

(2) NFPA 15 adopted in section 4 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Delete section 1-2.2.

(f) Amend section 1-3 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIMITED-COMBUSTIBLE MATERIAL: See the building code (675 IAC 13).

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE MATERIAL means a material that, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

ACCESSIBLE, READILY, means capable of being reached safely and quickly for operation, repair, or inspection

without requiring those to whom ready access is requisite to climb over or remove obstacles, or to resort to the use of portable access equipment.

(g) In section 1-3, delete the following definition: SHOULD.

(h) Amend section 2-1.1 to read as follows: Portions of plants housing acetylene charging and acetylene cylinder storage operations shall be located in accordance with the building code (675 IAC 13).

(i) Delete section 2-1.2 without substitution.

(j) Amend section 2-3.3 to read as follows: Exits shall be provided in accordance with the building code (675 IAC 13).

(k) In section 3-1.2, delete the words "or equivalent wording".

(l) In section 3-2.2, delete the words "or equivalent wording".

(m) Amend section 4-1 to read as follows: This section shall not govern the design of acetylene generators because of the many variable and complex design features of different types of generators.

(n) In section 4-5.3, delete the words "equivalent wording".

(o) Amend section 6-1.3 to read as follows: The pressure relief valve vent pipes shall be full size to the termination point outside of the building and shall terminate in a hood or bend directed to a safe location. The hoods or bends shall be located at least twelve (12) feet (3.6 m) above the ground, at least three (3) feet (0.9 m) from combustible construction, and an approved distance from building openings and sources of ignition. The hood or bend shall be constructed so that it will not be obstructed by rain, snow, ice, or birds.

(p) Amend section 8-2 to read as follows: Acetone storage containers shall be constructed and installed in accordance with the fire code. Aboveground acetone storage containers in excess of one (1) fifty-five (55) gallon (208 L) drum shall be located at least twenty-five (25) feet (7.6 m) from the storage of acetylene cylinders and other flammable gas cylinders.

(q) Amend section 8-5 to read as follows: Charged cylinders shall be stored outside the charging room. In the charging room, they shall be located an approved distance from the charging manifold.

(r) Amend section 9-2.2 to read as follows: The need for automatic water spray system protection for acetylene cylinder charging manifolds and cylinder storage areas shall be determined by the building code. Where automatic water spray systems are installed, they shall be in accordance with NFPA 15, Standard for Water Spray Fixed Systems for Fire Protection.

(s) Amend section 9-2.4 to read as follows: Fire protection equipment shall be conspicuously identified and located so that it is readily visible and accessible in an emergency. Fire hose connections and sprinkler actuation valves shall be located so that they can be operated from outdoors or at an exit.

(t) Amend section 9-2.5 to read as follows: Each plant shall have a written emergency procedure and shall conduct periodic fire drills.

(u) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-11; filed Aug 28, 1998, 5:02 p.m.: 22 IR 104; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-12 NFPA 51B; standard for fire prevention in use of cutting and welding processes**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 12. (a) That certain standard, being titled as NFPA 51B, Cutting and Welding Processes, 1994 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section, except as revised hereafter.

(b) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(c) Add section 1-3 Definitions to read as follows:

1-3 Definitions.

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

FIRE SAFE means an area where combustibles have been removed or protected from ignition sources.

FIRE WATCHER, for the purpose of this standard, means a person trained in the use of fire-extinguishing equipment and fire alarm procedures.

TRAINED means one who has undergone the instructions necessary to perform duties assigned.

(d) Amend section 2-3 to read as follows: The cutter or welder shall cut or weld where conditions are fire safe.

(e) Amend section 3-1 to read as follows: Cutting or welding shall be permitted only in areas that are or have been made fire safe. Within the confines of an operating plant or building, the cutting and welding work area shall be either (1) a specific area designed or approved for such work, such as a maintenance shop, or (2) where work cannot be moved practically, the area shall be made fire safe.

(f) Amend section 3-2 to read as follows:

3-2 Authorization. Before cutting or welding is permitted and at least once per day, the area shall be inspected by the individual responsible for authorizing cutting and welding operations (see section 2-1(b)) to ensure that it is a fire safe area. This individual shall designate precautions to be followed in writing and shall verify the following:

(g) In section 3-4, delete the word “qualified” and insert the word “trained”.

(h) In section 4-2, delete the word “competent” and insert the word “trained”.

(i) In section 4-4.3, after the word “The” and before the word “fire”, insert the word “servicing”.

(j) The appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-12; filed Aug 28, 1998, 5:02 p.m.; 22 IR 106; errata filed Jun 21, 1999, 3:33 p.m.; 22 IR 3419*)

**675 IAC 22-2.2-13 NFPA 52; standard for compressed natural gas (CNG) vehicular fuel systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 13. (a) That certain document, being titled NFPA 52—Standard for Compressed Natural Gas (CNG) Vehicular Fuel Systems, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 52 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 37.
  - (2) NFPA 54.
  - (3) NFPA 101.
  - (4) NFPA 220.
  - (5) ANSI/AGA NGV1.
  - (6) ANSI/AGA NGV2.
  - (7) API RP 2003.
  - (8) ASHRAE Handbook Fundamentals.
  - (9) ANSI/ASME B31.3.
  - (10) ASME Boiler and Pressure Vessel Code.
  - (11) ASTM A47.
  - (12) ASTM A395.
  - (13) ASTM A536.
  - (14) ASTM E136.
  - (15) ASTM 380.
  - (16) CGA S-1.1.
  - (17) CSA B-51.
  - (18) Title 49, Code of Federal Regulations.
- (c) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (d) Delete section 1-3.
- (e) Amend section 1-5 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIMITED-COMBUSTIBLE: Delete the phrase “as defined in NFPA 220 Standard of Types of Building Construction”.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE MATERIAL: Delete the phrase “as defined in NFPA 220 Standard of Types of Building Construction”.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

HAZARDOUS MATERIALS are those chemicals or substances which are hazardous as defined and classified in accordance with the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

UNIFORM FIRE CODE (U.F.C.) means the Indiana Fire Code.

(f) Section 3-13.4(d) is amended to read as follows: delete “proved suitable tests” and substitute “approved by the manufacturer”.

(g) Delete section 4-4.2.2 without substitution.

(h) Amend section 4-4.2.3 to read as follows: Compression, storage, and dispensing equipment located outdoors shall be aboveground, shall not be beneath electric power lines or where exposed by power line failure, and shall be located in accordance with the Indiana Fire Code.

(i) Amend section 4-4.2.8 by deleting the word “important”.

(j) Amend section 4-4.3 to read as follows:

4-4.3 Indoors

4-4.3.1 General. Compression, dispensing equipment, and storage containers connected for use are allowed to be located inside of buildings. The buildings shall be constructed in accordance with the building code and the requirements of the Indiana Fire Code Article 80 for flammable gases.

4-4.3.1.1 Quantity Limit. Storage shall be limited to not more than ten thousand (10,000) cubic feet (283,168 L) of natural gas in each building.

EXCEPTION: Compressed natural gas stored in vehicle-mounted fuel-supply containers.

4-4.3.2 Explosion Control. Explosion control shall be provided in accordance with the Indiana Fire Code Article 80.

4-4.3.3 Automatic Fire-extinguishing System. Rooms or buildings used for the storage, compression, or dispensing of CNG shall be protected throughout by an automatic sprinkler system. The automatic sprinkler system shall be designed in accordance with the Indiana Fire Code Article 80 and the building code (675 IAC 13).

4-4.3.4 Mechanical Ventilation. Ventilation shall be provided throughout for buildings or rooms used for the storage, compression, or dispensing of CNG. Ventilation shall be by a continuous mechanical ventilation system or by a mechanical

ventilation system activated by a supervised methane gas-detection system when a gas concentration of not more than twenty (20) percent of the lower flammability limit is present. Failure of the mechanical ventilation system shall shut down the fuel compression and dispensing system. The mechanical ventilation system shall be in accordance with the Indiana Fire Code Article 80 and the Indiana Mechanical Code (675 IAC 18). In addition, the mechanical ventilation system shall be designed for both lighter than air and heavier than air vapors.

EXCEPTION: The mechanical ventilation system can be designed for methane when the building or room is used exclusively for the dispensing of CNG.

4-4.3.5 Supervised Methane Gas-Detection System. A supervised methane gas-detection system shall be provided throughout buildings or rooms used for the storage, compression, or dispensing of CNG. The gas-detection system shall sound a distinct alarm signal when a gas concentration of not more than twenty (20) percent of the lower flammability limit is present. Activation of the gas-detection system shall shut down the fuel compression and dispensing system.

4-4.3.6 Electrical Service. Buildings and rooms used for the storage, compression, or dispensing of CNG shall be classified in accordance with Table 4-12 for installations of electrical equipment. Electrical equipment shall be installed in accordance with the Indiana Electrical Code (675 IAC 17).

4-4.3.7 Emergency Shutdown Devices. Emergency shutdown devices shall be provided in rooms or buildings used for storage, compression, or dispensing of CNG. Such devices shall be provided at each dispenser, at each exit, and at the room or building used for the storage or compression of CNG. Activation of the emergency shutdown devices shall shut down the compression and dispensing equipment.

4-4.3.8 Discharge of Relief Devices. Pressure-relief devices on storage and compression systems shall be provided with an approved means of discharging CNG outside of the building. The point of discharge shall be a minimum of ten (10) feet (3,048 mm) from building and ventilation openings, property lines, public ways, and paths of egress. The point of discharge shall not impinge on the building.

4-4.3.9 Signs. Rooms or buildings used for the storage, compression, or dispensing of CNG shall be provided with warning signs with the words WARNING–NO SMOKING–FLAMMABLE GAS. The wording shall be in plainly legible red letters on a white reflective background with letters no less than one (1) inch (25.4 mm) high.

(k) In section 4-5.1, delete the last sentence and substitute the following: Where flooding can occur, they shall be secured in accordance with Appendix II-B of the Indiana Fire Code.

(l) Chapter 6 and the Appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-13; filed Aug 28, 1998, 5:02 p.m.: 22 IR 107; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

**675 IAC 22-2.2-14 NFPA 58; standard for the storage and handling of liquefied petroleum gases**

Authority: IC 22-13-2-2

Affected: IC 22-11-15; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17; IC 36-8-17.5

Sec. 14. (a) That certain document, being titled NFPA 58, Liquefied Petroleum Gas Code, 2001 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 58 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30.
- (2) NFPA 37.
- (3) NFPA 54.
- (4) NFPA 61B.
- (5) NFPA 82.
- (6) NFPA 96.
- (7) NFPA 101.
- (8) NFPA 251.
- (9) NFPA 302.
- (10) NFPA 501A.

- (11) NFPA 501C.
- (12) NFPA 505.
- (13) API-ASME Code for Unfired Pressure Vessels for Petroleum Liquids and Gases.
- (14) API 620.
- (15) ASCE 7.
- (16) ASME Boiler and Pressure Vessels Code.
- (17) ASME B31.3.
- (18) ASME B36.10M.
- (19) ASTM A47.
- (20) ASTM A48.
- (21) ASTM A53.
- (22) ASTM A106.
- (23) ASTM A395.
- (24) ASTM A513.
- (25) ASTM A536.
- (26) ASTM A539.
- (27) ASTM B42.
- (28) ASTM B43.
- (29) ASTM B86.
- (30) ASTM B88.
- (31) ASTM B135.
- (32) ASTM B280.
- (33) ASTM D2513.
- (34) ASTM D2683.
- (35) ASTM D3261.
- (36) ASTM F1055.
- (37) AWS Z49.1.
- (38) ANSI/CGA C-4.
- (39) Title 49, Code of Federal Regulations.
- (40) UL 132.
- (41) UL 144.
- (42) UL 147A.
- (43) UL 147B.
- (44) UL 567.

(c) The following documents referenced in NFPA 58 are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of the rule.
- (2) NFPA 15 adopted in section 4 of this rule.
- (3) NFPA 50B adopted in section 9 of this rule.
- (4) NFPA 51 adopted in section 10 of this rule.
- (5) NFPA 51B adopted in section 12 of this rule.
- (6) NFPA 59 adopted in section 13 of this rule.
- (7) NFPA 86 adopted in section 18 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Amend section 1.1.1(1) to read as follows: Containers, piping, and associated equipment for supplying LP gas as a fuel up to the point of delivery into a building as defined in section 1.7.52.2.

(f) Amend section 1.1.1(3) to read as follows: (c) Marine and pipeline terminals, natural gas processing plants, refineries, or tank farms ("tank farm" storage at industrial locations) is covered by this standard.

(g) Amend section 1.1.2(5) to read as follows: (e) LP-gas used with oxygen shall comply with the Indiana Fire Code (675 IAC 22).

(h) Delete section 1.1.2(8).

- (i) Delete section 1.1.3 and substitute: See 675 IAC 12-6.
- (j) In section 1.1.4, delete everything after the first sentence.
- (k) Delete section 1.4.
- (l) In section 1.6, add the following to the last sentence: “in accordance with approved methods”.
- (m) In section 1.7, amend the following definitions:

1.7.6 APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

1.7.11 AUTHORITY HAVING JURISDICTION means the state building commissioner, or the state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

1.7.19 CYLINDER means a portable container constructed to DOT (formerly ICC) cylinder specifications or, in some cases, constructed in accordance with the ASME Code of a similar size and for similar service. The maximum size permitted under DOT specifications is one thousand (1,000) pounds (four hundred fifty-four (454) kilograms) water capacity, four hundred twenty (420) pounds PROPANE (one hundred (100) gallons).

1.7.23 Amend the definition of DISPENSING STATION by adding a second sentence to read as follows: The public is not to be permitted access to the dispensing station area.

1.7.37 LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

1.7.39 LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

1.7.66 Amend the definition of SPECIAL PROTECTION by adding the following: When required by this standard, special protection is allowed to consist of any of the following: applied insulated coatings, mounding, burial, water spray fixed systems, or fixed monitor nozzles meeting the criteria specified in this standard (see section 3.10.3), or by other means approved for this purpose.

- (n) In section 1.7, add the following definitions to read:

1.7.11.5 BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

1.7.24.4 ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

1.7.24.8 FIRE CODE means the Indiana Fire Code (675 IAC 22).

1.7.34.6 INSPECTION AUTHORITY means the state fire marshal, or the fire chief, or the state building commissioner, or the local building official, or their authorized representative.

1.7.47.1 NFPA 70 means the Indiana Electrical Code (675 IAC 17).

1.7.40.5 MECHANICAL CODE means the mechanical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

1.7.52.5 PLUMBING CODE means the plumbing code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

1.7.52.8 POINT OF DELIVERY means the outlet of the first stage pressure regulator that provides utilization [*sic.*] pressure, exclusive of line gas regulators, in the system.

- (o) Amend section 2.2.1.3 to read as follows: Containers shall be listed and labeled for their intended use. (See Appendices C and D)

(p) Amend section 2.2.1.4 to read as follows: Containers complying with 2-2.1.3 shall be permitted to be reused, reinstalled, or continued in use as follows:

- (i) A container shall not be filled if it is not suitable for continued service.
- (ii) Containers that have been involved in a fire and show no distortion shall be retested using the hydrostatic test procedure applicable at the time of original fabrication, and relabeled by the manufacturer or the manufacturer’s authorized

representative. All appurtenances shall be replaced.

(q) In section 2.2.1.5, delete the second sentence without substitution.

(r) In section 2.2.1.6(1), delete the exception.

(s) In section 2.2.1.6(2), delete “ASME or API ASME”.

(t) Amend section 2.2.2.1 to read as follows: The minimum design or service pressure of containers shall be in accordance with their listing.

(u) Amend section 2.2.2.3(c) to read as follows: (c) Wind loading on containers shall be based on wind pressures on the projected area as required by the building code (675 IAC 13).

(v) Amend section 2.2.2.3(d) to read as follows: (d) Seismic loading on containers shall be as required by the building code (675 IAC 13).

(w) In section 2.2.5.3, amend the first sentence to read as follows: Containers to be used as portable storage containers (see definition) for temporary stationary service shall comply with the following (this shall apply to movable fuel storage tenders, including farm carts):

(x) In section 2.3.1.2, amend the first sentence by deleting “suitable” and substituting “listed”.

(y) Delete section 2.3.2.3 and substitute the following: American Society of Mechanical Engineers (ASME) containers for LP-gas shall be equipped with listed direct spring-loaded relief valves installed in accordance with manufacturer’s recommendations. The start-to-leak setting of such pressure relief valves with relation to the design pressure of the container shall be in accordance with Table 2.3.2.3.

EXCEPTION: On containers of forty thousand (40,000) gallon (one hundred fifty-one (151) m<sup>3</sup>) water capacity or more, a pilot-operated pressure relief valve in which the relief device is combines with and is controlled by a self-actuated, direct, spring-loaded pilot valve shall be permitted to be used provided it complies with Table 2.3.2.3 listed, is inspected and maintained in accordance with manufacturer’s recommendations, and is tested for proper operation at intervals not exceeding five (5) years.

(z) Amend section 2.4.1.2 to read as follows: Piping, pipe, and tubing fittings and valves used to supply utilization equipment shall be in accordance with the Mechanical Code (675 IAC 18).

(aa) Amend section 2.4.1.3(2) to read as follows: Pipe and tubing or shall be of material which has been approved for its intended use.

(bb) Amend section 2.4.6.1 to read as follows: Hose, hose connections, and flexible connectors (\*see definition) shall be listed for use with LP-gas both as liquid and vapor. If wire braid is used for reinforcement, it shall be of corrosion-resistant material.

(cc) Amend the title of section 2.6 to read “APPLIANCES IN BUILDINGS.”.

(dd) Amend section 2.6.1 to read as follows: Approved appliances: See the Mechanical Code (675 IAC 18).

(ee) Amend section 3.2.2.2 by deleting the word “important” and the phrase “that can be built upon”.

(ff) Amend section 3.2.2.6 by deleting the last sentence and substituting the following: Horizontal separation is not required between aboveground LP-gas containers and underground tanks containing flammable or combustible liquids installed in accordance with the Indiana Fire Code (675 IAC 22).

(gg) Amend section 3.2.2.6(f) to read as follows: (f) The minimum separation between LP-gas containers and oxygen or gaseous hydrogen containers shall be in accordance with Table 3.2.2.6(f) except that lesser distances are allowed where protective structures interrupt the line of sight between uninsulated portions of the oxygen or hydrogen containers and the LP-gas containers. The minimum separation between LP-gas containers and liquefied hydrogen containers shall be in accordance with the Indiana fire code (675 IAC 22).

(hh) Amend section 3.2.2.6(h) by adding a second sentence to read as follows: See Appendix II-B of the fire code.

(ii) Delete section 3.2.10 in its entirety.

(jj) Delete section 3.2.16.4 in its entirety.

(kk) Amend section 3.2.18.4 to read as follows: Emergency remote shutdown stations shall be clearly identified by a sign printed in block letters of not less than two (2) inches (fifty-one (51) millimeters) in height on a background of contrasting colors to the letters. The sign shall be visible from the point of transfer.

(ll) Amend section 3.3.3.7 to read as follows: Liquid inlet piping to the bulk plant storage facility shall be designed to prevent debris from entering the system.

(mm) Delete section 3.4.3.8 in its entirety.

(nn) Amend section 3.4.9.1 to read as follows: Containers are allowed to be installed on noncombustible roofs of buildings

constructed as required for an occupancy separation having a fire-resistive rating of not less than the following:

Groups B, F, M, and S Occupancies, Two Hours

All other occupancies, Four Hours

EXCEPTION: When the quantity of gas does not exceed sixty (60) gallons (two hundred twenty-seven and one-tenth (227.1) L), a noncombustible roof without a fire-resistive rating is allowed.

(oo) Amend section 3.6.2.6 by deleting subsection (a) and substituting subsection (b) as (a).

(pp) Amend section 3.10.2.2 to read as follows: Fire protection shall be provided for installations of ASME containers with an aggregate water capacity of more than four thousand (4,000) gallons (fifteen and one-tenth (15.1) m<sup>3</sup>). The mode of such protection shall be determined through a written fire safety analysis for new installations. A written fire safety analysis may be prepared by company risk management personnel, insurance company loss control representatives, LP gas industry consultants, or other competent persons. Nothing in this section shall preclude the use of an industry-accepted checklist or the written results of a preplanning inspection conducted by the local fire department under IC 36-8-17.5 to satisfy the requirements that a written analysis be prepared. Nothing in this section shall require that such written plans must be stamped or certified by a professional engineer or submitted to any governmental agency.

(qq) Add a section 4.2.2.1.1 to read as follows: 4.2.2.1.1 Containers to be Filled. Containers shall be filled only by the owner or upon the owners' authorizations in accordance with IC 22-11-15.

(rr) Delete the text of Chapter 7 and substitute as follows: 7.1 See the Building Code (675 IAC 13).

(ss) In the first sentence of section 9.1.3.2, delete "ICBO Uniform" and add "(675 IAC 13)" after ":building code".

(tt) In section 9.1.3.2, delete the second sentence without substitution.

(uu) Chapter 13 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-14; filed Aug 28, 1998, 5:02 p.m.: 22 IR 109; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420; filed Dec 13, 2002, 3:45 p.m.: 26 IR 1553*)

**675 IAC 22-2.2-15 NFPA 59; standard for storage and handling of liquefied petroleum gases at utility gas plants**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 15. (a) That certain document, being titled NFPA 59—Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9109, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 59 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 16.
- (2) NFPA 22.
- (3) NFPA 24.
- (4) NFPA 780.
- (5) NFPA 1221.
- (6) NFPA 1962.
- (7) NFPA 1963.
- (8) NFPA 1971.
- (9) NFPA 1981.
- (10) API 620-1990.
- (11) ASCE 7.
- (12) ASME Boiler and Pressure vessel Code.
- (13) ASME B31.3.
- (14) ASTM A47.
- (15) ASTM A48.
- (16) ASTM A395.

(17) ASTM A536.

(c) The following documents referenced in NFPA 59 are adopted and are enforceable:

(1) NFPA 10 adopted in section 3 of this rule.

(2) NFPA 11 adopted in 675 IAC 13-1-4.

(3) NFPA 12 adopted in 675 IAC 13-1-5.

(4) NFPA 13 adopted in 675 IAC 12-1-8 [675 IAC 12-1-8 was repealed filed Jul 17, 1997, 2:30 p.m.: 10 IR 2699.].

(5) NFPA 14 adopted in 675 IAC 13-1-9.

(6) NFPA 15 adopted in section 4 of this rule.

(7) NFPA 17 adopted in 675 IAC 13-1-9.5.

(8) NFPA 20 adopted in 675 IAC 13-1-10.

(9) NFPA 51B adopted in section 12 of this rule.

(10) NFPA 58 adopted in section 14 of this rule.

(11) NFPA 72 adopted in section 17 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Delete section 1-3.2 without substitution.

(f) Amend section 1-4 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

QUALIFIED means having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired.

(g) Amend section 1-7 to read as follows: Where damage to liquefied petroleum gas systems from vehicular traffic is a possibility, protection shall be provided in accordance with section 8001.11.3 of the Indiana Fire Code.

(h) In section 1-8.2, delete the word "adequate" without substitution.

(i) Amend section 1-10.1.1 to read as follows: Smoking shall be permitted only in designated areas.

(j) Amend section 2-5.1.9 as follows:

(1) Delete the words "Uniform Building Code (U.B.C.)" and insert the words "building code (675 IAC 13)".

(2) In the last sentence, delete the word "UBC" and insert the words "building code (675 IAC 13)".

(k) Amend section 2-8.3 to read as follows: For individual underground nonrefrigerated installations, the authority having jurisdiction may approve the use of increased filling densities where the maximum ground temperatures do not exceed sixty degrees

Fahrenheit (60°F) (fifteen and six-tenths degrees Celsius (15.6°C)). These filling densities shall be based on sound engineering practices for the operating conditions involved.

(l) Amend section 3-1.4 as follows:

(1) In the first sentence, delete the words “ICBO Uniform Building Code (UBC)” and insert the words “the building code (675 IAC 13)”.

(2) In the second sentence, delete the word “UBC” and insert “building code (675 IAC 13)”.

(m) In section 3-1.8.1, delete the last sentence.

(n) Amend section 7-1.3 as follows: In the second sentence, delete the word “competent” and insert the word “qualified”.

(o) Amend section 8-4.1 to read as follows: Each facility shall maintain a record of all operating log sheets and recorded data. These records shall be made immediately available to the authority having jurisdiction upon request.

(p) Amend section 9-5.1 to read as follows: Each facility shall maintain a record of all maintenance log sheets of process equipment. These records shall be made immediately available to the authority having jurisdiction upon request.

(q) In section 10-8.2, delete everything after the first sentence.

(r) In section 10-8.3, delete everything after the first sentence.

(s) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-15; filed Aug 28, 1998, 5:02 p.m.: 22 IR 111; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-16 NFPA 59A; standard for production, storage, and handling of liquefied natural gas (LNG)**

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. (a) That certain document, being titled NFPA 59A—Standard for the Production, Storage and Handling of Liquefied Natural Gas (LNG), 1996 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section, except as revised hereafter.

(b) The following documents referenced in NFPA 59A are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30.
- (2) NFPA 37.
- (3) NFPA 54.
- (4) NFPA 101.
- (5) NFPA 255.
- (6) NFPA 385.
- (7) NFPA 1221.
- (8) NFPA 1901.
- (9) NFPA 1971.
- (10) NFPA 1981.
- (11) ACI 304R.
- (12) ACI 311.4R.
- (13) ACI 318.
- (14) ACI 344R-W.
- (15) ACI 506R.
- (16) API 6D.
- (17) API 620.
- (18) API 2510.
- (19) ASCE 7.
- (20) ASME Boiler and Pressure Vessel Code.
- (21) ASME B31.3.
- (22) ASME B31.5.
- (23) ASME B31.8.

- (24) ASTM A82.
- (25) ASTM A185.
- (26) ASTM A227.
- (27) ASTM A366.
- (28) ASTM A416.
- (29) ASTM A421.
- (30) ASTM A615.
- (31) ASTM A821.
- (32) ASTM C33.
- (33) ASTM E380.
- (34) CGA 341.
- (35) CGA S-1.3.
- (36) GRI Report 0176.
- (37) GRI Report 0242.

(c) The following documents are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of this rule.
- (2) NFPA 51B adopted in section 12 of this rule.
- (3) NFPA 58 adopted in section 14 of this rule.
- (4) NFPA 59 adopted in section 15 of this rule.
- (5) NFPA 72 adopted in section 17 of this rule.
- (6) NFPA 701 adopted in section 24 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Delete section 1-1.2 without substitution.

(f) Amend section 1-3 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

(2) Add the following definitions:

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 30 means the Indiana Fire Code.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform maintenance and inspections.

(g) Delete section 2-6 without substitution.

(h) Amend section 4-1.1.2 by deleting the word "qualified" and inserting the word "trained".

(i) Amend section 4-1.7.1 to read as follows: LNG containers shall be installed on foundations in accordance with rules of the commission.

(j) Amend section 4-6.2 by deleting the word "acceptable" and inserting the word "approved".

(k) Amend section 7-7.1 by adding to the first sentence the words "in accordance with the Indiana Electrical Code (675 IAC 17)".

(l) Amend section 8-4.1 by deleting the phrase "requirements of the authorities having jurisdiction" and inserting the words "rules of the commission.".

(m) Amend section 8-7.1.1 by deleting the word "qualified" and inserting the word "trained".

- (n) Delete section 8-7.1.10 without substitution.
- (o) Amend section 9-6.2 by deleting the last sentence without substitution.
- (p) Amend section 9-9.2 by deleting everything after the first sentence without substitution.
- (q) Amend section 9-9.3 to read as follows: Self-contained breathing apparatus shall be provided for those employees who can be required to enter an atmosphere that could be injurious to health during an emergency. Such apparatus shall be maintained in accordance with the manufacturer's instructions.
- (r) Delete section 10-2.5.
- (s) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-16; filed Aug 28, 1998, 5:02 p.m.: 22 IR 113; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-17 NFPA 72; national fire alarm code**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 17. (a) That certain standard, being titled as NFPA 72, 1996 Edition, National Fire Alarm Code, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 72 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 13D.
- (2) NFPA 20.
- (3) NFPA 37.
- (4) NFPA 54.
- (5) NFPA 90A.
- (6) NFPA 110.
- (7) NFPA 220.
- (8) NFPA 601.
- (9) NFPA 1221.
- (10) ANSI A-58.1.
- (11) ANSI S-1.4a.
- (12) ANSI S3.41.
- (13) ANSI/ASME A17.1.
- (14) ANSI/IEEE C2.
- (15) ANSI/UL 217.
- (16) ANSI/UL 268.
- (17) ANSI/UL 827.
- (18) EIA Tr-41.3.

(c) The following documents referenced in NFPA 72 are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of this rule.
- (2) NFPA 13 adopted in 675 IAC 13-1-8.
- (3) NFPA 13R adopted in 675 IAC 13-1-25.
- (4) NFPA 25 adopted in section 5 of this rule.
- (5) NFPA 58 adopted in section 14 of this rule.
- (d) "NOTES" not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Delete section 1-2.3 without substitution.
- (f) Amend section 1-4 by:
  - (1) Changing the following definitions to read:

ALARM is the giving, signaling, or transmitting to a public fire station or company or to an officer or employee thereof, whether by telephone, spoken word, or otherwise, information to the effect that a fire or emergency condition exists

at or near the place indicated by the person giving, signaling, or transmitting such information.

ALARM SIGNAL means an audible or visual signal indicating the existence of an emergency requiring immediate action.

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or local unit of government empowered by law to administer and enforce the rules of the commission.

FAMILY LIVING UNIT. See HOUSEHOLD.

HOUSEHOLD means the family living unit in multi-family buildings.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

STORY is that portion of a building included between the upper surface of any floor and the upper surface of the floor next above, except that the topmost story shall be that portion of a building included between the upper surface of the topmost floor and the ceiling or roof above. If the finished floor level directly above a usable or unused under-floor space is more than six (6) feet above grade as defined herein for more than fifty (50) percent of the total perimeter or is more than twelve (12) feet above grade as defined herein at any point, such usable or unused under-floor space shall be considered as a story.

(2) Adding the following definitions:

ACCESSIBLE means capable of being reached safely and quickly for operation, repair, or inspection without requiring those whom ready access is requisite to climb over or remove obstacles, or to resort to the use of portable access equipment.

DWELLING UNIT is any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by this code, for not more than one (1) family, or a congregate residence for ten (10) or less persons.

MULTI-FAMILY BUILDING means a building or structure that contains three (3) or more dwelling units.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform testing, maintenance, and inspection.

(g) Change section 1-5.7.6 to 1-5.7.5.

(h) Amend section 1-7.1.1 to read as follows: Complete information regarding the system or system alterations, including specifications, wiring diagrams, battery calculation, and floor plans, shall be submitted in accordance with 675 IAC 12-6.

(i) In section 1-7.1.2:

(1) delete the words “the authority having jurisdiction” and substitute “local ordinance”;

(2) delete the words “appropriate NFPA requirements” and substitute “the rules of the commission”.

(j) Delete section 1-7.2.1 without substitution.

(k) Delete the following sections and subsections without substitution:

(1) 1-7.2.3.

(2) 1-7.2.3.1.

(3) 1-7.2.3.1.1.

(4) 1-7.2.3.1.2.

(5) 1-7.2.3.2.

(6) 1-7.2.3.2.1.

(7) 1-7.2.3.2.2.

(l) Amend section 1-7.3 as follows: in the second sentence, after the word “required” and before “reported”, insert “by local ordinance”.

(m) Delete Chapter 2 in its entirety without substitution.

(n) Delete the second sentence of section 3-7.2(b).

(o) In section 3-8.1.2, delete the words “where required by the authority having jurisdiction” and insert “next to the alarm panel”.

(p) In section 3-8.2.5, delete subsection (a) without substitution.

(q) In section 3-8.6.7, delete subsection (d) without substitution.

(r) In section 3-8.8.3, delete the words “other applicable NFPA standards” and substitute “the rules of the commission”.

(s) Delete section 3-8.13.6 without substitution.

(t) Amend section 3-8.14.1 by deleting the phrase “unless otherwise required by the authority having jurisdiction” from the last sentence.

(u) In section 3-8.14.6, delete the words “ANSI/ASME A 17.1, Safety Code for Elevators and Escalators, Rules 211.3 through 211.8” and substitute “the Indiana Elevator Safety Code (675 IAC 21)”.

(v) In section 3-9.3.3, delete the words “applicable NFPA standards” and substitute “the rules of the commission”.

(w) In section 3-10.2, delete the words “applicable NFPA standards” and substitute “the rules of the commission”.

(x) At the beginning of section 3-12.6.2, delete the phrase “where required by the authority having jurisdiction”.

(y) In section 3-12.8.5, delete the words “or provided with equivalent protection from use by unauthorized persons” and insert “or” between “operated” and “in a locked cabinet”.

(z) In section 3-13.4.5, delete the exception without substitution.

(aa) In section 4-2.6.2.2, add the words “When required by local ordinance” to the beginning of the first sentence.

(bb) In section 4-3.2.1, delete the word “competent”.

(cc) Delete section 4-3.3.1 without substitution.

(dd) In section 4-3.6.1.2, between the words “owner” and “authority”, delete “or” and substitute “and”.

(ee) In section 4-3.6.2, delete the words “designated by the authority having jurisdiction”.

(ff) In section 4-3.6.3, delete the word “or” and substitute “and”.

(gg) In section 4-3.6.4, delete the words “or other location acceptable to the authority having jurisdiction”.

(hh) In section 4-3.6.5, delete the words “acceptable to the authority having jurisdiction and shall be”.

(ii) In section 4-3.6.7.1(a), delete everything after “Fire brigade”.

(jj) Amend section 4-3.6.7.3 to read as follows: Supervisory signals. Upon receipt of sprinkler system and other supervisory signals, the proprietary supervising station operator shall communicate immediately with the designated person(s) to ascertain the reason for the signal.

(kk) Amend section 4-3.6.7.4 to read as follows: Trouble Signals. Upon receipt of trouble signals or other signals pertaining solely to matters of equipment maintenance of the fire alarm system, the proprietary supervising station operator shall communicate immediately with the designated person(s) to ascertain reason for the signal.

(ll) Amend section 4-3.6.8.2 to read as follows: The proprietary supervising station shall furnish reports of signals received to the authority having jurisdiction when required by local ordinance.

(mm) Delete section 4-4.3.3 without substitution.

(nn) Amend section 4-4.4.4 to read as follows: Where required by this standard, retransmission of an alarm signal shall be by one (1) of the following methods which appear in descending order of preference as follows:

(1) A dedicated circuit that is independent of any switched telephone network. This circuit shall be permitted to be used for voice or data communications.

(2) A one-way (outgoing only) telephone at the remote supervising station that utilizes the public switched telephone network. This telephone shall be used primarily for voice transmission of alarms to a telephone at the public fire service communications center that cannot be used for outgoing calls.

(3) A private radio system using the fire department frequency, where permitted by the servicing fire department.

(4) Other methods approved by the authority having jurisdiction.

(oo) Amend section 4-4.5 as follows:

(1) Delete the word “sufficient” from the first sentence.

(2) In the second sentence, delete everything after “shall be permitted”.

(pp) In section 4-5.3.2.2.3, delete the words “each supervised burglar alarm (open/close) or”.

(qq) In section 4-6.2.1, delete the words “implemented at the option of the authority having jurisdiction” and substitute “required by local ordinance”.

(rr) Amend section 4-6.4.2 to read as follows: Public fire alarm reporting systems as defined in this chapter shall in their entirety, be subject to a complete operational acceptance test upon completion of system installation. Tests shall be performed on any alarm reporting devices as identified in this chapter that are added subsequent to the installation of the initial system.

(ss) In section 4-6.4.4, delete the word “readily”.

(tt) Amend section 4-6.4.8 to read as follows: Boxes shall be securely mounted on poles, pedestals, or structural surfaces.

(uu) Amend section 4-6.6 to read as follows: Location of Boxes. The location of publicly accessible boxes shall be in accordance with local ordinance.

(vv) In section 5-1.3.3, delete the words “appropriate NFPA standard or the authority having jurisdiction” and substitute “this standard”.

(ww) Amend section 5-1.4.4 to read as follows: 5-1.4.4 Where codes, standards, or laws require the protection of selected areas only, the specified areas shall be protected in accordance with this standard.

(xx) In section 5-3.6.1.3, amend the exception to read as follows: Where required by local ordinance.

(yy) Delete section 5-8.2 in its entirety without substitution.

(zz) Delete section 5-10.4 in its entirety without substitution.

(aaa) Delete section 5-10.5.2 in its entirety without substitution.

(bbb) Amend section 6-3.1.1 to read as follows: The sound level of an installed audible signal shall perform its intended function.

(ccc) In section 6-8.2, delete the exception without substitution.

(ddd) In section 7-1.1, delete everything after the first sentence.

(eee) Amend section 7-1.2.2 to read as follows: Service personnel shall be trained in the inspection, testing, and maintenance of fire alarm systems.

(fff) Amend section 7-1.3.1 to read as follows: Before proceeding with any testing, all persons who receive and facilities that receive alarm, supervisory, or trouble signals shall be notified to prevent unnecessary response. At the conclusion of testing, those previously notified shall be notified that testing has been concluded.

(ggg) Delete section 7-1.4 in its entirety without substitution.

(hhh) Delete section 7-1.5.2 in its entirety without substitution.

(iii) In section 7-1.6.2.1, delete the last sentence and substitute to read as follows: Documentation of any modification, repair, or adjustment shall be provided in accordance with section 1-7.2.2.

(jjj) Amend section 7-3.1 as follows:

(a) Delete the words “or more frequently where required by the authority having jurisdiction”.

(b) In Exception No. 1, delete the words “where approved by the authority having jurisdiction”.

(kkk) Amend section 7-3.2 as follows:

(a) Delete the words “or more frequently where required by the authority having jurisdiction”.

(b) In the exception, delete the words “where approved by the authority having jurisdiction”.

(lll) Delete section 7-3.2.2 in its entirety without substitution.

(mmm) Delete section 7-3.3 in its entirety without substitution.

(nnn) Amend section 7-5.1 as follows:

(1) Delete the words “satisfactory to the authority having jurisdiction”.

(2) In the second sentence, delete the word “any” and substitute “the”.

(ooo) In section 7-5.2.2, delete the words “requested in Figure 7-5.2.2”.

(ppp) Chapter 8 and the appendices are not adopted as part of this code and are intended for the use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-17; filed Aug 28, 1998, 5:02 p.m.: 22 IR 114; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-18 NFPA 86; standard for ovens and furnaces**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 18. (a) That certain standard, being titled as NFPA 86, Ovens and Furnaces, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 86 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 31.
- (2) NFPA 54.
- (3) NFPA 69.
- (4) NFPA 79.
- (5) NFPA 86C.
- (6) NFPA 86D.
- (7) NFPA 91.
- (8) ANSI A14.3.
- (9) ANSI B31.3.
- (10) ANSI B31.3.
- (11) ANSI Z50.1.
- (12) ASME Boiler and Pressure Vessel Code.
- (13) ASTM D396.
- (14) Title 29, Code of Federal Regulations.

(c) The following documents are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of this rule.
- (2) NFPA 11 adopted in 675 IAC 13-1-4.
- (3) NFPA 12 adopted in 675 IAC 13-1-5.
- (4) NFPA 13 adopted in 675 IAC 13-1-8.
- (5) NFPA 14 adopted in 675 IAC 13-1-9.
- (6) NFPA 15 adopted in section 4 of this rule.
- (7) NFPA 17 adopted in 675 IAC 13-1-9.5.
- (8) NFPA 17A adopted in 675 IAC 13-1-9.6.
- (9) NFPA 25 adopted in section 5 of this rule.
- (10) NFPA 34 adopted in section 7 of this rule.
- (11) NFPA 50 adopted in section 8 of this rule.
- (12) NFPA 58 adopted in section 14 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Amend section 1-1.4 to read as follows: This standard also applies to listed bakery ovens and requires all bakery ovens to be listed.

(f) Amend section 1-4.1 to read as follows: Before new equipment is installed or existing equipment remodeled, complete plans, sequence of operations, and specifications shall be submitted in accordance with 675 IAC 12-6.

(g) Delete sections 1-4.1.1 through 1-4.3 without substitution.

(h) Delete section 1-5.1 without substitution.

(i) Amend section 2-1 to read as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a

local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

BUILDING CODE means the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

MECHANICAL CODE means the mechanical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70, National Electrical Code means the Indiana Electrical Code (675 IAC 17).

PLUMBING CODE means the plumbing code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

QUALIFIED means having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired.

TRAINED means one who has undergone the instructions necessary to design, install, and perform testing, maintenance, and inspection.

(j) Amend section 3-1.3.1 to read as follows: Furnaces shall be located to minimize exposure to power equipment, process equipment, and sprinkler risers. Unrelated stock and combustible materials shall be not less than two and one-half (2½) feet (0.76 m) from a furnace, a furnace heater, or ductwork.

(k) In the third sentence of section 3-4.2.4, delete the word “noncombustible” and insert the word “listed”.

(l) Delete section 4-2.2.2 without substitution.

(m) Amend section 4-2.3.3 to read as follows: Piping from the point of delivery to the equipment isolation valve shall comply with the Plumbing Code (675 IAC 16) and the Mechanical Code (675 IAC 18).

(n) Amend section 4-2.4.2.1 to read as follows: Material for the piping and fittings that connect the equipment manual isolation valve to the burner shall be listed for the use.

(o) Amend section 4-3.3.1 to read as follows: Storage tanks, their installation, and their supply piping materials shall comply with the requirements of this standard and the Mechanical Code (675 IAC 18).

(p) Amend section 4-3.4.2.1 to read as follows: Equipment piping shall be listed for the use.

(q) Amend section 4-5.1 to read as follows: Fuel-fired equipment shall be vented in accordance with the Mechanical Code (675 IAC 18).

(r) Amend section 4-7.2.1 to read as follows: Piping and fittings shall be listed for the use. Relief valves shall be provided where required by this standard or the Mechanical Code (675 IAC 18).

(s) In section 8-4.2, delete the last sentence.

(t) Amend section 8-4.5 to read: Locations for compressed gas tanks and cylinders shall be in accordance with the building code (675 IAC 13).

(u) Amend section 11-1.3 to read: Plans showing the arrangement of fixed fire protection installations shall be submitted in accordance with 675 IAC 12.

(v) Amend section 11-1.4 to read as follows: Dip tanks and drain boards included in the oven enclosure shall be protected in accordance with NFPA 34, Standard for Dipping and Coating Using Flammable or Combustible Liquids, and Article 45 of the Indiana Fire Code.

(w) In section 11-6.3, delete the word “responsible” and insert the word “trained”.

(x) Chapter 12 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards

referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-18; filed Aug 28, 1998, 5:02 p.m.: 22 IR 118; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-19 NFPA 231; standard for general storage (Repealed)**

Sec. 19. (*Repealed by Fire Prevention and Building Safety Commission; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1176*)

**675 IAC 22-2.2-20 NFPA 231C; standard for rack storage of materials (Repealed)**

Sec. 20. (*Repealed by Fire Prevention and Building Safety Commission; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1176*)

**675 IAC 22-2.2-21 NFPA 385; standard for tank vehicles for flammable and combustible liquids**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 21. (a) That certain document, being titled NFPA 385—Standard for Tank Vehicles for Flammable and Combustible Liquids, 1990 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 385 are not adopted, are not enforceable, and are for information purposes only:

- (1) ASTM D-5-86.
- (2) ASTM D-56-87.
- (3) ASTM D-93-85.
- (4) ASTM D-323-82.
- (5) ASTM B-209-88.
- (6) ASME Boiler and Pressure Vessel Code.
- (7) Title 49, Code of Federal Regulations.
- (c) The following documents referenced in NFPA 385 are adopted and are enforceable:
  - (1) NFPA 10 adopted in section 3 of this rule.
  - (2) NFPA 58 adopted in section 14 of this rule.
  - (3) NFPA 407 adopted section 23 of this rule.
- (d) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Amend section 1-2 as follows:
  - (1) Amend the following definitions to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

- (2) Add the following definitions:

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(f) Delete section 4-1.1 without substitution.

(g) Chapter 7 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-21; filed Aug 28, 1998, 5:02 p.m.: 22 IR 119; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-22 NFPA 386; standard for portable shipping tanks for flammable and combustible liquids**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 22. (a) That certain document, being titled NFPA 386—Standard for Portable Shipping Tanks for Flammable and Combustible Liquids, 1990 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 386 are not adopted, are not enforceable, and a [*sic., are*] for information purposes only:

- (1) NFPA 512.
- (2) ASTM B-209-98.
- (3) ASTM BD-5-86.
- (4) ASTM D-56-87.
- (5) ASTM D-93-85.
- (6) ASTM D-323-82.

(c) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.

(d) Amend section 1-2 by:

(1) Amending the following definitions:

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Adding the following definitions to section 1-2:

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 30 means the Indiana Fire Code.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(e) Amend section 2-1.1 to read as follows: Portable shipping tanks shall be of all welded construction and listed and labeled.

(f) Amend section 2-1.3 by deleting everything after the first sentence.

(g) Amend section 2-4.1 by deleting everything after the word “integrity”.

(h) Amend section 3-1.1 to read as follows: All valves, piping, and appurtenances shall be listed for their use and shall be attached to the tank.

(i) Delete section 4-3.1 without substitution.

(j) Amend section 4-3.3 to read as follows: Vehicles transporting one (1) or more tanks shall be equipped with at least one (1) approved fire extinguisher.

(k) Chapter 5 is not adopted as part of this code and is intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-22; filed Aug 28, 1998, 5:02 p.m.: 22 IR 120; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-23 NFPA 407; standard for aircraft fuel servicing**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 23. (a) That certain standard, being titled as NFPA 407, 1996 Edition, Aircraft Fuel Servicing, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 407 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 410.
- (2) NFPA 415.
- (3) NFPA 418.
- (4) ANSI B31.3.
- (5) API Bulletin 1529.
- (6) ASTM D380.
- (7) AWS A5.10.
- (8) BS 3158.
- (9) UL 913.

(c) The following documents referenced in NFPA 407 are adopted and are enforceable:

(1) NFPA 10 adopted in section 3 of this rule.

(2) NFPA 385 adopted in section 21 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) When the provisions of the Indiana Fire Code apply, they shall take precedence over the provisions of this standard.

(f) Amend section 1-3 to read as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

BUILDING CODE means the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 30 means the Indiana Fire Code.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

QUALIFIED means having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired.

(g) In the second line of section 2-3.1.1, delete the word "safe" and insert the word "listed".

- (h) In section 2-3.13.4, delete the word “adequately”.
- (i) Amend section 2-4.1 to read as follows: Plans and specifications shall be filed as required by 675 IAC 12.
- (j) In section 2-4.2, delete the words “and approve”.
- (k) In section 2-4.4.2, delete the first sentence and substitute the following: Clearances required from runways, taxiways, and other aircraft movement and servicing areas to any aboveground fuel storage or fuel transfer equipment shall be in accordance with national and international standards establishing clearances from obstructions.
  - (l) Delete section 2-4-6-4 and substitute to read as follows: Piping, valves, and fittings shall be listed for their use.
  - (m) Amend section 2-4.11.1 to read as follows: Ramps used for aircraft fueling shall slope away from buildings and loading walkways at a grade of not less than one (1) percent for the first fifty (50) feet (15,240 mm). The balance of such ramps shall slope to a drainage system at a grade not less than one-half percent (.5%). When drainage inlets are provided, they shall be at least fifty (50) feet (15,420 mm) from buildings and loading walkways.
- (n) In section 2-4.13, add the following sentence to the end: All test results shall be submitted to the authority having jurisdiction before the system is placed in service.
  - (o) Amend section 2-5.1 to read as follows: Fueling on rooftop heliports shall not be permitted.
  - (p) Amend section 2-5.2.1 to read as follows: Basic Construction and Protection Requirements. In addition to the special requirements of this chapter, heliports shall comply with the Indiana Fire Code and the Indiana Building Code (675 IAC 13).
  - (q) In section 2-5.4, amend the first sentence to read as follows: Piping above grade shall be steel and shall be cased or shall be installed in a duct or chase.
  - (r) Amend section 2-5.10 to read as follows: Fixed fire protection systems shall be in accordance with the Indiana Fire Code.
  - (s) Amend section 2-6.1 to read as follows: Self-service fueling shall be permitted, subject to the requirements of this standard and the Indiana Fire Code.
  - (t) Amend section 2-6.3.4 to read as follows: Dispensing devices shall be protected in accordance with section 5201.5.1 of the Indiana Fire Code.
  - (u) Amend section 3-2.5 to read as follows: Unauthorized discharges of hazardous materials shall be reported and documented in accordance with the Indiana Fire Code Article 80.
  - (v) Amend section 3-3.5 to read as follows: Records shall be kept of tests required by this standard. These records shall be made available to the inspection authority upon request.
  - (w) Delete section 3-8.4 without substitution.
  - (x) In section 3-13.6, delete the words “they might be expected to use”.
  - (y) Chapter 4 and the appendices are not adopted as part of this standard and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-23; filed Aug 28, 1998, 5:02 p.m.: 22 IR 121; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-24 NFPA 704; standard system for the identification of the fire hazards of materials for emergency response**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 24. (a) That certain standard, being titled as NFPA 704, Identification of the Fire Hazards of Materials, 1996 Edition, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised herein.

(b) The following documents referenced in NFPA 704 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30.
- (2) NFPA 43B.
- (3) NFPA 49.
- (4) NFPA 325.
- (5) NFPA 495.
- (c) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (d) Add a new section 1-6 definitions to read as follows: INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition,

Volumes 1 and 2 as adopted by reference in section 1 of this rule.

(e) Amend section 3-1.1 by deleting the words “NFPA 30, Flammable and Combustible Liquids Code” and inserting the words “the Indiana Fire Code”.

(f) The appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-24; filed Aug 28, 1998, 5:02 p.m.: 22 IR 122; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-25 NFPA 1123; code for public display of fireworks**

Authority: IC 22-13-2-2

Affected: IC 22-11-14-2; IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 25. (a) That certain standard, being titled as NFPA 1123, Public Display of Fireworks, 1995 Edition, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 1123 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 1122, NFPA 1124 [*Reference to NFPA 1126 voided by and removed under P.L.25-2004, SECTION 8, effective March 16, 2004.*].

(2) 16 CFR, 27 CFR, and 49 CFR.

(c) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.

(d) Delete section 1-2.3 without substitution.

(e) Amend section 1-3 to read as follows: Equivalency. This standard is not intended to prevent the use of systems, methods, or devices that provide protection equivalent to the provisions of this code, provided the systems, methods, or devices are approved by the authority having jurisdiction.

(f) Amend the definitions in section 1-4 to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(g) In section 2-2.4.3, amend Exception No. 1 to read as follows: When approved by the authority having jurisdiction, alternate measures may be taken.

(h) Amend section 3-1.1 to read as follows:

(1) In the seventh line, delete the words “as it deems appropriate”.

(2) In the last line, delete the words “as it deems necessary”.

(i) Delete section 3-1.3.2 without substitution.

(j) Amend section 4-1.2 to read as follows: Monitors whose sole duty shall be the enforcement of crowd control shall be located around the display area.

(k) Amend section 4-1.4 to read as follows: Wherever any hazardous condition exists, the fireworks display shall be postponed until the condition is corrected.

(l) Amend section 4-1.4.1 to read as follows: Whenever the lack of crowd control poses a hazard, the fireworks display shall be discontinued immediately until such time as the situation is corrected.

(m) Amend section 4-1.4.2 to read as follows: If high winds, precipitation, or other adverse weather conditions prevail such that a significant hazard exists, the fireworks display shall be postponed until weather conditions improve to a reasonable level.

(n) In section 4-3.1, delete the words “to the extent that it is practical”.

(o) Delete the text of Chapter 6 and substitute to read as follows:

6-1 Operator Qualifications.

6-1.1 The operator shall be approved in accordance with IC 22-11-14-2(a).

6-1.2 An operator shall provide evidence of actual experience as an operator or assistant as part of demonstrating competency to the authority having jurisdiction.

6-2 All assistants shall be at least eighteen (18) years old.

6-3 The fireworks display company, municipality, fair association, amusement park, other organizations, or group of individuals shall obtain a permit in accordance with IC 22-11-14-2(a).

(p) Chapter 7 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-25; filed Aug 28, 1998, 5:02 p.m.: 22 IR 123; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

**675 IAC 22-2.2-26 (Reserved)**

**675 IAC 22-2.2-27 (Reserved)**

**675 IAC 22-2.2-28 Section 101.2; scope (Repealed)**

*Sec. 28. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-29 Section 101.3; subjects not specifically regulated by this code (Repealed)**

*Sec. 29. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-30 Section 101.4; supplemental rules and regulations (Repealed)**

*Sec. 30. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-31 Section 101.5; liability (Repealed)**

*Sec. 31. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-32 Section 101.9; amendments (Repealed)**

*Sec. 32. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-33 Section 102.1; existing conditions (Repealed)**

*Sec. 33. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-34 Section 103.1.1; technical assistance (Repealed)**

*Sec. 34. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-35 Section 103.1.2; alternate materials and methods (Repealed)**

*Sec. 35. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-36 Section 103.1.3; practical difficulties (Repealed)**

Sec. 36. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-37 Section 103.1.4; appeals (Repealed)**

Sec. 37. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-38 Section 103.1.5; appendix (Repealed)**

Sec. 38. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-39 Section 103.2.1.1; general (Repealed)**

Sec. 39. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-40 Section 103.2.1.2; fire prevention bureau personnel and police (Repealed)**

Sec. 40. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-41 Section 103.2.2; organization of the fire prevention bureau (Repealed)**

Sec. 41. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-42 Section 103.3; inspection (Repealed)**

Sec. 42. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-43 Section 103.4; enforcement (Repealed)**

Sec. 43. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-44 Section 104.2; investigation (Repealed)**

Sec. 44. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-45 Section 104.3; records and reports (Repealed)**

Sec. 45. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-46 Section 105; permits (Repealed)**

Sec. 46. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-47 Section 202-A; definitions "A" (Repealed)**

Sec. 47. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-48 Section 203-B; definitions "B" (Repealed)**

Sec. 48. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-49 Section 204-C; definitions “C” (Repealed)**

Sec. 49. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-49.5 Definitions “C”**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 49.5. Amend the following definition in section 204-C to read as follows: CHIEF means the state fire marshal, or the state fire marshal’s authorized representative, the chief officer of the fire department serving the jurisdiction, or the chief officer’s authorized representative. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-49.5; filed May 5, 1999, 5:42 p.m.: 22 IR 2872)*

**675 IAC 22-2.2-50 Section 206-E; definitions “E” (Repealed)**

Sec. 50. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-51 Section 207-F; definitions “F” (Repealed)**

Sec. 51. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-52 Section 209-H; definitions “H” (Repealed)**

Sec. 52. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-53 Section 210-I; definitions “I” (Repealed)**

Sec. 53. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-54 Section 214-M; definitions “M” (Repealed)**

Sec. 54. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-55 Section 216.O; definitions “O” (Repealed)**

Sec. 55. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-56 Section 217-P; definitions “P” (Repealed)**

Sec. 56. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-57 Section 218-Q; definitions “Q” (Repealed)**

Sec. 57. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-58 Section 220-S; definitions “S” (Repealed)**

Sec. 58. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-59 Section 221-T; definitions “T” (Repealed)**

Sec. 59. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-60 Section 222-U; definitions “U” (Repealed)**

Sec. 60. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-61 Section 224-W; definitions “W” (Repealed)**

Sec. 61. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-62 Section 227-Z; definitions “Z” (Repealed)**

Sec. 62. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-63 Section 901.2.1; permits (Repealed)**

Sec. 63. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-64 Section 901.2.2.1; fire apparatus access (Repealed)**

Sec. 64. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-65 Section 901.2.2.2; fire hydrant systems (Repealed)**

Sec. 65. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-66 Section 901.3; timing of installation (Repealed)**

Sec. 66. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-67 Section 901.4.2; fire apparatus access roads (Repealed)**

Sec. 67. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-68 Section 901.4.3; fire protection equipment and fire hydrants (Repealed)**

Sec. 68. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-69 Section 901.4.4; premises identification (Repealed)**

Sec. 69. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-70 Section 901.4.5; street or road signs (Repealed)**

Sec. 70. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-71 Section 901.6; fire protection in recreational vehicles, mobile home and manufactured housing parks, sales lots, and storage lots (Repealed)**

Sec. 71. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-72 Section 902.2.1; required access (Repealed)**

Sec. 72. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-73 Section 902.2.2.1; dimensions (Repealed)**

Sec. 73. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-74 Section 902.2.2.2; surface (Repealed)**

Sec. 74. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-75 Section 902.2.2.3; turning radius (Repealed)**

Sec. 75. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-76 Section 902.2.2.4; dead ends (Repealed)**

Sec. 76. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-77 Section 902.2.2.5; bridges (Repealed)**

Sec. 77. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-78 Section 902.2.2.6; grade (Repealed)**

Sec. 78. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-79 Section 902.2.4.1; obstruction and control of fire apparatus access, general (Repealed)**

Sec. 79. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-80 Section 902.2.4.2; closure of accessways (Repealed)**

Sec. 80. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-81 Section 902.3.1; required access (Repealed)**

Sec. 81. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-82 Section 902.3.2; maintenance of exterior doors and openings (Repealed)**

Sec. 82. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-83 Section 902.4; key boxes (Repealed)**

Sec. 83. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-84 Section 903.2; required water supply for fire protection (Repealed)**

Sec. 84. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-85 Section 903.3; type of water supply (Repealed)**

Sec. 85. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-86 Section 903.4.2; required installations (Repealed)**

Sec. 86. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-87 Section 903.4.3; protection, marking, and obstruction of hydrants (Repealed)**

Sec. 87. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-88 Section 1001.3; plans (Repealed)**

Sec. 88. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-89 Section 1001.4; installation acceptance testing (Repealed)**

Sec. 89. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-90 Section 1001.5; maintenance, inspection, and testing systems out of service (Repealed)**

Sec. 90. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-91 Section 1001.5.5; smoke-control systems (Repealed)**

Sec. 91. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-92 Section 1001.7.2; clear space around hydrants (Repealed)**

Sec. 92. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-93 Section 1001.8; marking of fire protection equipment and fire hydrants (Repealed)**

Sec. 93. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-94 Section 1001.9; special hazards (Repealed)**

Sec. 94. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-95 Section 1001.10; fire appliances (Repealed)**

Sec. 95. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-96 Section 1002.1; portable fire extinguishers, general (Repealed)**

Sec. 96. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-97 Section 1003; fire-extinguishing systems (Repealed)**

Sec. 97. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-98 Section 1004; standpipes (Repealed)**

Sec. 98. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-99 Section 1005; basement pipe inlets (Repealed)**

Sec. 99. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-100 Section 1006.1; ventilating hood and duct systems (Repealed)**

Sec. 100. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-101 Section 1006.2.1; where required (Repealed)**

Sec. 101. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-102 Section 1006; protection of commercial cooking operations (Repealed)**

Sec. 102. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-103 Section 1006.2.7; portable fire extinguishers (Repealed)**

Sec. 103. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-104 Section 1006.2.8; operations and maintenance (Repealed)**

Sec. 104. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-105 Section 1007.1; general (Repealed)**

Sec. 105. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-106 Section 1007.2.9.2; existing Group R occupancies (Repealed)**

Sec. 106. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-107 Section 1007.3.1; design standards (Repealed)**

Sec. 107. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-107.1 Section 1007.3.3.3.4; visual alarms**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

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FIRE PREVENTION AND BUILDING SAFETY COMMISSION

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Sec. 107.1. In section 1007.3.3.3.4, delete all of the text after the word “lobbies”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-107.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

**675 IAC 22-2.2-108 Section 1007.3.3.4; connections to other systems (Repealed)**

Sec. 108. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-109 Section 1007.3.3.6.1; monitoring, general (Repealed)**

Sec. 109. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-110 Section 1007.3.3.6.2; automatic telephone dialing devices (Repealed)**

Sec. 110. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-111 Section 1007.3.3.7; annunciation (Repealed)**

Sec. 111. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-112 Section 1007.3.4.1; acceptance test (Repealed)**

Sec. 112. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-113 Section 1007.3.4.2; certification (Repealed)**

Sec. 113. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-114 Section 1007.3.4.3; instructions (Repealed)**

Sec. 114. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-115 Section 1101.1; scope (Repealed)**

Sec. 115. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-116 Section 1101.3; permits and plans (Repealed)**

Sec. 116. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-117 Section 1102.2.5; discontinuance (Repealed)**

Sec. 117. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-118 Section 1102.3.4; time and atmospheric restrictions (Repealed)**

Sec. 118. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-119 Section 1102.3.7; attendance (Repealed)**

Sec. 119. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031*)

**675 IAC 22-2.2-120 Section 1102.3.8; discontinuance (Repealed)**

Sec. 120. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-121 Section 1102.4.5; discontinuance (Repealed)**

Sec. 121. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-122 Section 1103.2.4; combustible vegetation (Repealed)**

Sec. 122. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-123 Section 1103.3.2.2; ceiling clearance (Repealed)**

Sec. 123. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-124 Section 1103.3.2.4; equipment rooms (Repealed)**

Sec. 124. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-125 Section 1103.3.3.1; use of combustible decorative materials, general (Repealed)**

Sec. 125. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-126 Section 1103.3.3.4; foam plastics (Repealed)**

Sec. 126. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-127 Section 1103.3; storage, use, and handling of miscellaneous combustible materials (Repealed)**

Sec. 127. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-128 Section 1103.3.5.1; location (Repealed)**

Sec. 128. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-129 Section 1103.3.6.3; separation (Repealed)**

Sec. 129. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-130 Section 1103.3.6.3; separation (Repealed)**

Sec. 130. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-131 Section 1103.3.6; outside storage of tires (Repealed)**

Sec. 131. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-132 Section 1106; gas meters and piping (Repealed)**

Sec. 132. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-133 Section 1109.4.1; designated areas (Repealed)**

Sec. 133. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-134 Section 1109.4.2; hazardous environmental conditions (Repealed)**

Sec. 134. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-134.5 Section 1109.8.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 134.5. Change section 1109.8.1 to read as follows: The use of candles and other open-flame decorative devices shall be in accordance with section 1109.8.

EXCEPTION: All Division "R" occupancies.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-134.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177)*

**675 IAC 22-2.2-135 Section 1109.8.3; religious ceremonies (Repealed)**

Sec. 135. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-136 Section 1109.8.4; theatrical performances (Repealed)**

Sec. 136. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-137 Section 1111.2.3; identification (Repealed)**

Sec. 137. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-138 Section 1202.1; adequacy of means of egress in existing occupancies, general (Repealed)**

Sec. 138. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-139 Section 1202.2; abatement of buildings and structures with inadequate exits (Repealed)**

Sec. 139. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-140 Section 1205; fire escapes (Repealed)**

Sec. 140. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-141 Section 1207.3; locking devices (Repealed)**

Sec. 141. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-142 Section 1210.5; enclosures (Repealed)**

Sec. 142. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-143 Section 1213.2; means of egress plans (Repealed)**

Sec. 143. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-144 Section 1302.1; reporting of emergencies and false alarms, general (Repealed)**

Sec. 144. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-145 Section 1302.2; reporting emergencies (Repealed)**

Sec. 145. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-146 Section 1303.1; emergency plans and procedures, general (Repealed)**

Sec. 146. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-147 Section 1303.3.3.2; fire drills (Repealed)**

Sec. 147. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-148 Section 1303.3.4.2; training (Repealed)**

Sec. 148. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-149 Section 1303.3.5.2; means of egress diagrams (Repealed)**

Sec. 149. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-150 Section 1303.3.5.2; sign (Repealed)**

Sec. 150. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-151 Section 1303.3.5.3.1; fire emergency guide for apartment buildings, general (Repealed)**

Sec. 151. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-152 Section 1303.3.6; Group R, Division 4 occupancies (Repealed)**

Sec. 152. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-153 Section 1303.4.1; emergency plans, general (Repealed)**

Sec. 153. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-154 Section 1303.4.2; review (Repealed)**

Sec. 154. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-155 Section 1303.5; employee duties, assignments, and training (Repealed)**

Sec. 155. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-156 Section 1303.5; employee duties, assignment, and training (Repealed)**

Sec. 156. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-157 Section 1303.6; fire drills (Repealed)**

Sec. 157. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-158 Section 2401.2; permits (Repealed)**

Sec. 158. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-159 Section 2401.4; transferring fuel (Repealed)**

Sec. 159. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-160 Section 2401.5; application of flammable and combustible liquid finishes (Repealed)**

Sec. 160. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-161 Section 2401.12; combustible storage (Repealed)**

Sec. 161. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-162 Section 2401.13.1; portable fire extinguishers, general (Repealed)**

Sec. 162. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-163 Section 2402.5.2; garaging (Repealed)**

Sec. 163. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-164 Section 2402.6; conditions of equipment (Repealed)**

Sec. 164. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-165 Section 2403.1; general (Repealed)**

Sec. 165. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-166 Section 2501.3; permits and plans (Repealed)**

Sec. 166. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-167 Section 2501.4.2; communication (Repealed)**

Sec. 167. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-168 Section 2501.4; supervision and communication system (Repealed)**

Sec. 168. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-169 Section 2501.5; decorative materials (Repealed)**

Sec. 169. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-170 Section 2501.14; plan of exit ways and aisles (Repealed)**

Sec. 170. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-171 Section 2501.16.2; determination of occupant load (Repealed)**

Sec. 171. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-172 Section 2501.16.3; overcrowding (Repealed)**

Sec. 172. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-173 Section 2501.18; standby personnel (Repealed)**

Sec. 173. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-174 Section 2504.2.2.1; vehicular traffic (Repealed)**

Sec. 174. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-175 Section 2504.3.1; concession stands, general (Repealed)**

Sec. 175. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-176 Section 2504.4.1; internal combustion power source, general (Repealed)**

Sec. 176. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-177 Section 2504.4.2; fueling (Repealed)**

Sec. 177. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-178 Section 2504; outdoor carnivals and fairs (Repealed)**

Sec. 178. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-179 Section 2504; outdoor carnivals and fairs (Repealed)**

Sec. 179. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-180 Section 2505.2; displays (Repealed)**

Sec. 180. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-181 Section 2505.2.3.2; quantity limit (Repealed)**

Sec. 181. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-182 Section 2505.3; competitions and demonstrations (Repealed)**

Sec. 182. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-183 Section 2506; haunted houses and similar temporary installations**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 183. Add section 2506 to read as follows: Section 2506 Haunted Houses and Similar Temporary Installations.

2506.1 General. This section applies to haunted houses and similar installations set up for temporary use, not exceeding ninety (90) days. Any interior within a structure not designed for this specific use shall comply with the following and all other applicable rules:

(1) In any facility using the maze concept, there shall be no dead end corridors, and there shall be an obvious exit out of the maze for every fifty (50) feet of linear travel. All stairways shall be illuminated at a level of at least one (1) foot-candle.

(2) A group shall consist of twenty (20) individuals or less. Each group shall be accompanied or supervised by a staff person who is eighteen (18) years of age or older. This staff person shall have in his/her possession an operable flashlight and shall be completely familiar with the facility.

(3) There shall be no smoking allowed at any time by anyone inside the building.

(4) All electrical installations shall meet 675 IAC 17, the Indiana Electrical Code.

(5) The fire department shall be contacted prior to the placing of the facility in operation for an inspection and planning of evacuation procedures. A sketch shall be provided to the servicing fire department to accommodate these procedures.

(6) Total number of occupants in the facility at any time shall be limited to the number allowed by the total exits from the installation, as determined by the Building Code, or the code in effect at the time of construction of the building, building system, or alterations.

(7) Fire extinguishers shall be distributed throughout the building so that not more than seventy-five (75) feet need be traversed to each fire extinguisher.

(8) There shall be no open flame devices or temporary heaters used in the building.

(9) Automatic smoke detectors shall be installed in accordance with 675 IAC 13-1, NFPA 72E.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-183; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2928)*

**675 IAC 22-2.2-184 Section 2602; permits (Repealed)**

Sec. 184. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-185 Section 2703; permits (Repealed)**

Sec. 185. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-186 Section 2705; storage and handling (Repealed)**

Sec. 186. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-187 Section 2706; fire protection equipment (Repealed)**

Sec. 187. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-188 Section 2803; permits (Repealed)**

Sec. 188. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-189 Section 2901.2; permits (Repealed)**

Sec. 189. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-190 Section 2904; repair of fuel tanks (Repealed)**

Sec. 190. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-191 Section 2905; housekeeping (Repealed)**

Sec. 191. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-192 Section 3003; permits (Repealed)**

Sec. 192. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-193 Section 3004.4.2; access plan (Repealed)**

Sec. 193. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-194 Section 3006.5; emergency plan (Repealed)**

Sec. 194. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-195 Section 3008.6; static pile protection (Repealed)**

Sec. 195. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-196 Section 3008.10; emergency plan (Repealed)**

Sec. 196. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-197 Section 3203; permits (Repealed)**

Sec. 197. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-198 Section 3204; use period (Repealed)**

Sec. 198. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-199 Section 3211.5; aisles (Repealed)**

Sec. 199. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-200 Section 3212; maintenance of means of egress (Repealed)**

Sec. 200. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-201 Section 3215.2; fireworks, open flames, and hot objects (Repealed)**

Sec. 201. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-202 Section 3216.1; cooking and heating, general (Repealed)**

Sec. 202. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-203 Section 3221.3; storage (Repealed)**

Sec. 203. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-204 Section 3302; permits (Repealed)**

Sec. 204. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-205 Section 3304; storage and handling (Repealed)**

Sec. 205. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-206 Section 3403; permits (Repealed)**

Sec. 206. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-207 Section 3409; burning operations (Repealed)**

Sec. 207. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-208 Section 3410.3; mitigation for vehicle fluid leaks (Repealed)**

Sec. 208. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-209 Section 3503; permits (Repealed)**

Sec. 209. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-210 Section 3504.3; fueled equipment (Repealed)**

Sec. 210. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-211 Section 3504.4; hazardous materials (Repealed)**

Sec. 211. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-212 Section 3601.3; permits (Repealed)**

Sec. 212. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-213 Section 3601.5.1; changes in class (Repealed)**

Sec. 213. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-214 Section 3602.2.3; exhaust ventilation systems (Repealed)**

Sec. 214. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-215 Section 3603.11; drying tumblers and cabinets (Repealed)**

Sec. 215. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-216 Article 37; fire safety in race track stables (Repealed)**

Sec. 216. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-217 Section 4501.3; permits (Repealed)**

Sec. 217. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-218 Section 4502.1; location of spray-finishing operations (Repealed)**

Sec. 218. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-219 Section 4502.2.7; separation (Repealed)**

Sec. 219. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-220 Section 4502.5.5; duct material and termination point (Repealed)**

Sec. 220. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-221 Section 4502.6.1; limited spraying areas, general (Repealed)**

Sec. 221. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-221.5 Section 4503; dipping operations**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 221.5. In section 4503.3.3, add an exception to read as follows: EXCEPTION: Bottom drains shall not be required for tanks that are equipped with automatic closing covers in accordance with section 4503.8. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-221.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177)*

**675 IAC 22-2.2-222 Section 4602; permits (Repealed)**

Sec. 222. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-223 Section 4603.1; use of ethylene, general (Repealed)**

Sec. 223. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-224 Section 4702; permits (Repealed)**

Sec. 224. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-225 Section 4704; notification of fumigation (Repealed)**

Sec. 225. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-226 Section 4802; permits (Repealed)**

Sec. 226. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-227 Section 4901.3; permits (Repealed)**

Sec. 227. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-228 Section 4901.5.2; prohibited areas (Repealed)**

Sec. 228. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-229 Section 5003; permits (Repealed)**

Sec. 229. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-230 Section 5101.3; existing buildings and existing fabrication areas (Repealed)**

Sec. 230. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-231 Section 5101.5; permits (Repealed)**

Sec. 231. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-232 Section 5101.8; construction requirements (Repealed)**

Sec. 232. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-233 Section 5101.9.1.1; plans and diagrams (Repealed)**

Sec. 233. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-234 Section 5101.9.1.2; plans updating (Repealed)**

Sec. 234. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-235 Section 5101.9.1.3; emergency response team (Repealed)**

Sec. 235. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-236 Section 5101.10.2; manual fire alarm system (Repealed)**

Sec. 236. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-237 Section 5101.10.3.2.1; service corridors (Repealed)**

Sec. 237. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-238 Section 5101.12.2; where required (Repealed)**

Sec. 238. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-239 Section 5103.2.3.2; protection of vessels (Repealed)**

Sec. 239. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-240 Section 5201.3.1; permits (Repealed)**

Sec. 240. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-240.1 Section 5201.3.2; plans and specifications**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 240.1. Delete the text of section 5201.3.2 and substitute the following: Plans and specifications shall be submitted in accordance with 675 IAC 12-6. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-240.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935)*

**675 IAC 22-2.2-241 Section 5201.5.1; protection of dispensers (Repealed)**

Sec. 241. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-241.1 Section 5201.5.3; emergency shutdown devices**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 241.1. Change section 5201.5.3 to read as follows: 5201.5.3 Emergency shutdown devices. Emergency shutdown devices shall be provided for all fuel dispensers. Emergency shut down devices for exterior fuel dispensers shall be located within one hundred (100) feet (thirty thousand four hundred eighty (30,480) mm) of, but not less than twenty (20) feet (six thousand ninety-six (6,096) mm) from dispensers. For interior fuel-dispensing operations, the emergency shutdown devices shall be installed at approved locations. Activation of the emergency shutdown devices shall stop the transfer of fuel to all dispensers. Such devices shall be distinctly labeled as EMERGENCY FUEL SHUTDOWN DEVICE. Signs shall be provided in approved locations. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-241.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936)*

**675 IAC 22-2.2-242 Section 5201.6.2; attendants (Repealed)**

Sec. 242. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-243 Section 5202.3.3; fueling from portable tanks (Repealed)**

Sec. 243. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)

**675 IAC 22-2.2-243.1 Section 5202.3.4; storage tanks at bulk plants**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 243.1. Change section 5202.3.4 to read as follows: 5202.3.4 Storage tanks at bulk plants. Aboveground tanks serving as bulk plant tanks shall not be used for fueling operations. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-243.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936)

**675 IAC 22-2.2-244 Section 5202.3.9; inventory control (Repealed)**

Sec. 244. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)

**675 IAC 22-2.2-245 Section 5202.4.1; aboveground tanks (Repealed)**

Sec. 245. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)

**675 IAC 22-2.2-245.2 Section 5202.4.4.2; nozzles**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 245.2. Delete number 2 and its exception and change “3.” to “2.”. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-245.2; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177)

**675 IAC 22-2.2-245.5 Section 5202.4.8; special-type dispensers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 245.5. Add a paragraph at the end of section 5202.4.8 to read as follows: Special-type dispensers as defined in this section do not include credit card or cash accepting dispensers that are provided with a means to issue change or credit. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-245.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177)

**675 IAC 22-2.2-246 Section 5202.5.1; pressure delivery motor vehicle fuel-dispensing stations, general (Repealed)**

Sec. 246. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)

**675 IAC 22-2.2-247 Section 5202.5.2; pits (Repealed)**

Sec. 247. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)

**675 IAC 22-2.2-248 Section 5202.6.3; classified area (Repealed)**

Sec. 248. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)

**675 IAC 22-2.2-249 Section 5202.10.1; motor vehicle fuel-dispensing stations located inside buildings, general (Repealed)**

Sec. 249. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)

**675 IAC 22-2.2-250 Section 5202.11.3.5; flexible connections (Repealed)**

Sec. 250. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-251 Section 5202.11.4.2; location of tanks and pumps (Repealed)**

Sec. 251. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-252 Section 5202.11.4.6; liquefied petroleum gas (Repealed)**

Sec. 252. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-253 Section 5202.13.2.1; dispensing devices (Repealed)**

Sec. 253. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-254 Section 5202.13.3.2; location (Repealed)**

Sec. 254. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-255 Section 5202.13.3.3; installation (Repealed)**

Sec. 255. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-256 Section 5202.13.3.12; site control (Repealed)**

Sec. 256. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-257 Section 5202.13.4; maintenance, tests, and inspection (Repealed)**

Sec. 257. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-258 Section 5203; liquefied petroleum gas motor vehicle fuel-dispensing stations (Repealed)**

Sec. 258. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-259 Section 5204.6; private fueling of motor vehicles (Repealed)**

Sec. 259. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-260 Section 5204.10.2.2; use-closed transfer system (Repealed)**

Sec. 260. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-261 Section 5204.10.2.3.1; plans and specifications (Repealed)**

Sec. 261. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-262 Section 5204; compressed natural gas motor vehicle fuel-dispensing stations (Repealed)**

Sec. 262. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-263 Section 6103; permits (Repealed)**

Sec. 263. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-264 Section 6106.3; location (Repealed)**

Sec. 264. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-265 Section 6202; permits and plans (Repealed)**

Sec. 265. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-266 Section 6301; scope (Repealed)**

Sec. 266. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-267 Section 6304; permits and plans (Repealed)**

Sec. 267. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-268 Section 6306; access (Repealed)**

Sec. 268. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-269 Section 6310.1; refrigeration machinery room, when required (Repealed)**

Sec. 269. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-270 Section 6320.2; periodic testing (Repealed)**

Sec. 270. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-271 Section 6320.4; frequency of testing (Repealed)**

Sec. 271. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-272 Section 6320.5; personnel qualifications (Repealed)**

Sec. 272. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-273 Section 6323; changing of refrigerant type (Repealed)**

Sec. 273. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-274 Section 6324; records (Repealed)**

Sec. 274. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-275 Section 6403; permits (Repealed)**

Sec. 275. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-276 Section 6404.3; occupancy separations (Repealed)**

Sec. 276. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-277 Section 7401.3; permits (Repealed)**

Sec. 277. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-278 Section 7401.10; service and repair (Repealed)**

Sec. 278. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-279 Section 7401.12; exposure to fire (Repealed)**

Sec. 279. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-280 Section 7401.15; overhead cover (Repealed)**

Sec. 280. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-281 Section 7404.2.1.1; general (Repealed)**

Sec. 281. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-282 Section 7501.3; permits (Repealed)**

Sec. 282. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-283 Section 7501.4.2; nonstandard containers (Repealed)**

Sec. 283. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-284 Section 7501.11.2; systems (Repealed)**

Sec. 284. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-285 Section 7501.14; lighting (Repealed)**

Sec. 285. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-286 Section 7502.3.2.2; drainage (Repealed)**

Sec. 286. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-287 Section 7503.1.2; cryogenic fluid systems (Repealed)**

Sec. 287. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-288 Section 7503.1.3.2; design and construction (Repealed)**

Sec. 288. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-289 Section 7503.1.3.5; physical protection and support (Repealed)**

Sec. 289. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-290 Section 7502.3.1.3; drainage (Repealed)**

Sec. 290. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-291 Section 7601.3; permits (Repealed)**

Sec. 291. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-292 Section 7701.3.1; permits, required (Repealed)**

Sec. 292. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-293 Section 7701.3.2; unsafe material or practice (Repealed)**

Sec. 293. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-294 Section 7701.4; bond (Repealed)**

Sec. 294. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-295 Section 7701.7.1; manufacturing (Repealed)**

Sec. 295. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-296 Section 7701.7.2; limits established by law (Repealed)**

Sec. 296. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-297 Section 7701.7.3; limits based on location (Repealed)**

Sec. 297. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-298 Section 7701.8; seizure of explosive materials (Repealed)**

Sec. 298. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-299 Section 7702.1.15; yard maintenance (Repealed)**

Sec. 299. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-300 Section 7702.2.6; repackaging of damaged containers (Repealed)**

Sec. 300. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-301 Section 7702.3.3; location (Repealed)**

Sec. 301. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-302 Section 7702.3.10; indoor magazines (Repealed)**

Sec. 302. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-303 Section 7703.1.1; hours of operation (Repealed)**

Sec. 303. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-304 Section 7703.1.6; utilities notification (Repealed)**

Sec. 304. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-305 Section 7703.1.12; disposal of packaging (Repealed)**

Sec. 305. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-306 Section 7703.2.1; public conveyance (Repealed)**

Sec. 306. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-307 Section 7703.2.3; authorization (Repealed)**

Sec. 307. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-308 Section 7703.2.5; fire extinguisher maintenance and placement (Repealed)**

Sec. 308. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-309 Section 7703.2.12; transportation routes (Repealed)**

Sec. 309. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-310 Section 7703.2.15; passengers (Repealed)**

Sec. 310. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-311 Section 7703.3.1; quantities at terminals (Repealed)**

Sec. 311. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-312 Section 7703.3.5; terminal requirements (Repealed)**

Sec. 312. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-313 Section 7703.4.2; ammonium nitrate storage (Repealed)**

Sec. 313. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-314 Section 7703.4.3; intraplant operations (Repealed)**

Sec. 314. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-315 Section 7703.5.1; mixing facilities (Repealed)**

Sec. 315. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-316 Section 7703.5.6; disposal of oxidizer bags (Repealed)**

Sec. 316. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-317 Section 7704.9.1; disposal site safeguards (Repealed)**

Sec. 317. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-318 Section 7801.1; scope (Repealed)**

Sec. 318. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-319 Section 7801.2.1; general (Repealed)**

Sec. 319. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-320 Section 7801.3.1.1; manufacturing (Repealed)**

Sec. 320. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-321 Section 7801.3.1.2; displays (Repealed)**

Sec. 321. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-322 Section 7801.3.2; pyrotechnic special effects material (Repealed)**

Sec. 322. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-323 Section 7802.1; general (Repealed)**

Sec. 323. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-324 Section 7802.2; seizure of fireworks (Repealed)**

Sec. 324. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-325 Section 7802.3; prohibition (Repealed)**

Sec. 325. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-326 Section 7802.4.1; general (Repealed)**

Sec. 326. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-327 Section 7802.4.2; pyrotechnic operator (Repealed)**

Sec. 327. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-328 Section 7802.4.3; insurance (Repealed)**

Sec. 328. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-329 Section 7802.4.4.1; site criteria (Repealed)**

Sec. 329. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-330 Table 7802.3-A; minimum mortar separation distances (Repealed)**

Sec. 330. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-331 Section 7802.4.9.2; fire protection (Repealed)**

Sec. 331. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-332 Section 7803.4.2.2.2; outside of buildings (Repealed)**

Sec. 332. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-333 Section 7803.8.1.1; demonstration and approval (Repealed)**

Sec. 333. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-334 Section 7803.8.2; smoke control (Repealed)**

Sec. 334. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-335 Section 7803.8.3; binary explosives (Repealed)**

Sec. 335. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-336 Section 7901.3; permits and plans (Repealed)**

Sec. 336. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-337 Section 7901.3.1; permits (Repealed)**

Sec. 337. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-338 Section 7901.3.2; plans (Repealed)**

Sec. 338. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-339 Section 7901.4.2.1; flammable liquids (Repealed)**

Sec. 339. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-340 Section 7901.4.3; other applications (Repealed)**

Sec. 340. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-341 Section 7901.7.1; general (Repealed)**

Sec. 341. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-342 Section 7901.7.4; site assessment (Repealed)**

Sec. 342. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-343 Section 7901.9.1; labeling and signs, general (Repealed)**

Sec. 343. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-344 Section 7901.9.3; location (Repealed)**

Sec. 344. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-345 Section 7901.11.10; testing (Repealed)**

Sec. 345. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-346 Section 7902.1.2; change of tank contents (Repealed)**

Sec. 346. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-347 Section 7902.1.3.1; smoking and open flame (Repealed)**

Sec. 347. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-348 Section 7902.1.7.2.3; underground tanks out of service for one year (Repealed)**

Sec. 348. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-349 Section 7902.1.7.2.5; reinstallation of underground tanks (Repealed)**

Sec. 349. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-350 Section 7902.1.7.3.3; aboveground tanks out of service for one year (Repealed)**

Sec. 350. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-351 Section 7902.1.7.4.1; removing tanks, general (Repealed)**

Sec. 351. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-352 Section 7902.1.8.1.2; use of tank cars and tank vehicles as storage tanks (Repealed)**

Sec. 352. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-353 Section 7902.1.8.2.2; use of tank cars and tank vehicles as storage tanks (Repealed)**

Sec. 353. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-354 Section 7902.1.8.2.3; pressure limitations for tanks (Repealed)**

Sec. 354. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3031)*

**675 IAC 22-2.2-355 Section 7902.1.8.2.4; locations subject to flooding (Repealed)**

Sec. 355. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-356 Section 7902.1.8.2.5; acceptance testing (Repealed)**

Sec. 356. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-357 Section 7902.1.8.2.6; product compatibility (Repealed)**

Sec. 357. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-358 Section 7902.1.8.2.7; use of combustible materials in tank construction (Repealed)**

Sec. 358. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-359 Section 7902.1.8.2.11; existing oil storage reservoirs (Repealed)**

Sec. 359. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-360 Section 7902.1.11.2; vent lines (Repealed)**

Sec. 360. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-361 Section 7902.1.14.4; fire protection of supports (Repealed)**

Sec. 361. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-362 Section 7902.2.2.7; reduction of separation distance to adjacent property (Repealed)**

Sec. 362. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-363 Section 7902.2.4.1; foam fire protection, required systems (Repealed)**

Sec. 363. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-364 Section 7902.2.6.3.4; reductions in required venting for stable liquids (Repealed)**

Sec. 364. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-365 Section 7902.2.8.1; drainage control and diking, general (Repealed)**

Sec. 365. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-365.2 Section 7902.2.8.3.8; equipment, controls, and piping in diked areas**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 365.2. Add an exception to section 7902.2.8.3.8 to read as follows: EXCEPTION: Tanks storing no more than five thousand (5,000) gallons of gasoline, diesel fuel, or kerosene may have pumps and manifolds attached directly to the tank within diked areas. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-365.2; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1178)

**675 IAC 22-2.2-365.5 Section 7902.5.6.2; displacement protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 365.5. Delete section 7902.5.6.2 without substitution. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-365.5; filed May 5, 1999, 5:42 p.m.: 22 IR 2873)

**675 IAC 22-2.2-366 Section 7902.5.10.2.5; storage plan (Repealed)**

Sec. 366. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-367 Section 7902.5.11.5.1; fire-extinguishing systems (Repealed)**

Sec. 367. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-368 Section 7902.5.12.5.1; fire-extinguishing systems (Repealed)**

Sec. 368. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-368.1 Section 7902.6.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 368.1. In section 7902.6.1, delete the second sentence without substitution. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-368.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948)

**675 IAC 22-2.2-369 Section 7902.6.7; location subject to flooding (Repealed)**

Sec. 369. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-369.5 Section 7902.6.5.3; overfill prevention system**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 369.5. Change the text of number 3 to read as follows: Restrict flow thirty (30) minutes prior to overfilling, and alert the transfer operator with a high level alarm one (1) minute before overfilling or automatically shut off flow into the tank so that none of the fittings located on top of the tank are exposed to product due to overfilling. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-369.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1178)*

**675 IAC 22-2.2-370 Section 7902.6.10; tank lining (Repealed)**

Sec. 370. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-371 Section 7902.6.11; secondary containment (Repealed)**

Sec. 371. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-372 Section 7902.6.13; leak detection installation and maintenance (Repealed)**

Sec. 372. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-373 Section 7902.6.15; corrosion protection (Repealed)**

Sec. 373. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-374 Section 7902.6.16.1; testing of underground tanks, general (Repealed)**

Sec. 374. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-375 Section 7902.16.3; existing tanks and piping (Repealed)**

Sec. 375. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-376 Table 7902.1-A; maximum size of containers and portable tanks (Repealed)**

Sec. 376. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-377 Section 7903.1.3.5; Class I and II liquids (Repealed)**

Sec. 377. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-378 Section 7903.2.1.2; closure of mixing or blending vessels (Repealed)**

Sec. 378. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-378.5 Section 7903.2.3.4.4; spill control and secondary containment**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

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Sec. 378.5. Change the first sentence of section 7903.2.3.4.4 to read as follows: Spill control shall be provided in accordance with section 7901.8 when flammable or combustible liquids are dispensed into containers exceeding two (2) gallon (eight (8) liter) capacity or mixed or used in open containers or systems exceeding five and three-tenths (5.3) gallon (twenty (20) liter) capacity. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-378.5; filed May 5, 1999, 5:42 p.m.: 22 IR 2873)*

**675 IAC 22-2.2-379 Table 7903.2-B; exemption amounts for use, dispensing, and mixing of flammable and combustible liquids (Repealed)**

Sec. 379. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-380 Section 7903.3.3; location on property (Repealed)**

Sec. 380. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-381 Section 7903.4.3; manufacturer's instruction manual (Repealed)**

Sec. 381. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-382 Section 7904.1; special operations, general (Repealed)**

Sec. 382. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-383 Section 7904.2; storage and dispensing of flammable and combustible liquids on farms and construction sites (Repealed)**

Sec. 383. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-384 Section 7904.2.1; general (Repealed)**

Sec. 384. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-385 Section 7904.2.7; portable fire extinguishers (Repealed)**

Sec. 385. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-386 Section 7904.2.8.1; general (Repealed)**

Sec. 386. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-387 Section 7904.3.7; soundproofing (Repealed)**

Sec. 387. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-388 Section 7904.4.2.2; means of egress (Repealed)**

Sec. 388. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-389 Section 7904.4.5; overfill protection of Class 1 liquids (Repealed)**

Sec. 389. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-390 Section 7904.4.6.7; mechanical work (Repealed)**

Sec. 390. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-391 Section 7904.5.2.6; security (Repealed)**

Sec. 391. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-392 Section 7904.5.3.6; security (Repealed)**

Sec. 392. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-393 Section 7904.5.4.2.2; marine craft and special equipment (Repealed)**

Sec. 393. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-394 Section 7904.5.4.2.3; emergency refueling (Repealed)**

Sec. 394. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-395 Section 7904.5.4.2.5; fueling of vehicles at farms, construction sites, and similar areas (Repealed)**

Sec. 395. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-396 Section 7904.5.4.3; time limit or unloading (Repealed)**

Sec. 396. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-397 Section 7904.5.4.4; unloading inside buildings (Repealed)**

Sec. 397. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-398 Section 7904.6.5.2.1; parking near residential, educational, and institutional occupancies and other high-risk areas (Repealed)**

Sec. 398. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-399 Section 7904.6.6; garaging (Repealed)**

Sec. 399. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-400 Section 8001.1.2; material classification (Repealed)**

Sec. 400. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-401 Section 8001.1.3; application (Repealed)**

Sec. 401. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-402 Section 8001.1.4; existing buildings (Repealed)**

Sec. 402. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-403 Section 8001.2; definitions (Repealed)**

Sec. 403. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-404 Section 8001.3.1; general (Repealed)**

Sec. 404. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-405 Section 8001.3.2; hazardous materials management plan (Repealed)**

Sec. 405. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-406 Section 8001.3.3; hazardous materials inventory statement (Repealed)**

Sec. 406. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-407 Section 8001.4.7.2; tanks out-of-service for 90 days (Repealed)**

Sec. 407. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-408 Section 8001.5.1; general (Repealed)**

Sec. 408. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-409 Section 8001.5.2.1; records (Repealed)**

Sec. 409. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-410 Section 8001.5.2.2; notification (Repealed)**

Sec. 410. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-411 Section 8001.5.2.5; responsibility for cleanup (Repealed)**

Sec. 411. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-412 Section 8001.6; material safety data sheets (Repealed)**

Sec. 412. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-412.5 Section 8001.11.3; protection from vehicles**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 412.5. In section 8001.11.3, item 2, delete the words “between posts”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-412.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1179)*

**675 IAC 22-2.2-413 Section 8001.7; identification signs (Repealed)**

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Sec. 413. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-414 Section 8001.11.9; shelf storage (Repealed)**

Sec. 414. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-415 Section 8001.12.2; required use of carts and trucks (Repealed)**

Sec. 415. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-416 Section 8001.13.1; temporarily out-of-service facilities (Repealed)**

Sec. 416. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-417 Section 8001.13.2; permanently out-of-service facilities (Repealed)**

Sec. 417. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-418 Section 8001.13.3; plan (Repealed)**

Sec. 418. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-419 Section 8001.15.2.4; Group E occupancies (Repealed)**

Sec. 419. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-420 Table 8001.15-B; exempt amounts of hazardous materials presenting a health hazard (Repealed)**

Sec. 420. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-421 Section 8001.16.2.2; ignition source control (Repealed)**

Sec. 421. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-422 Section 8003.1.2; signs (Repealed)**

Sec. 422. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-423 Section 8003.1.4.2; system requirements (Repealed)**

Sec. 423. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-424 Section 8003.1.6; fire-extinguishing systems (Repealed)**

Sec. 424. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-425 Section 8003.1.11; supervision (Repealed)**

Sec. 425. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-426 Table 8003.5-A; flammable compressed gases distance from storage to exposures (Repealed)**

Sec. 426. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-427 Table 8003.6-B; Class 4 oxidizers liquids and solids separation of detached and outdoor storage from other buildings, property lines, streets, alleys, public ways, or exits to a public way (Repealed)**

Sec. 427. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-428 Table 8003.6-G; oxidizing gases-distance from use to exposures (Repealed)**

Sec. 428. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-429 Table 8003.8-A; pyrophoric gases-distance from storage to exposures (Repealed)**

Sec. 429. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-430 Section 8003.12.1.3; exhaust scrubber (Repealed)**

Sec. 430. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-431 Section 8003.12.2.3; fire-extinguishing systems (Repealed)**

Sec. 431. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-432 Section 8003.13; radioactive materials (Repealed)**

Sec. 432. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-433 Section 8004.1.10; fire-extinguishing systems (Repealed)**

Sec. 433. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-434 Section 8004.1.15; liquid transfer (Repealed)**

Sec. 434. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-435 Section 8004.2.2.3; fire-extinguishing system (Repealed)**

Sec. 435. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-436 Section 8004.2.2.5.1; spill control for hazardous materials (Repealed)**

Sec. 436. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-437 Section 8004.2.3.2; closed systems, use (Repealed)**

Sec. 437. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-437.5 Section 8004.2.3.4; fire-extinguishing system**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 437.5. In section 8004.2.3.4, delete “fume hoods and”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-437.5; filed May 5, 1999, 5:42 p.m.: 22 IR 2873*)

**675 IAC 22-2.2-437.7 Section 8004.3.4.1.1; spill control for hazardous materials liquids**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 437.7. Amend section 8004.3.4.1.1 to read as follows: Outdoor areas where hazardous materials liquids are dispensed in vessels exceeding two (2) gallon (eight (8) liter) capacity or used in open systems exceeding five and three-tenths (5.3) gallon (twenty (20) liter) capacity shall be provided with spill control in accordance with section 8003.1.3.2. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-437.7; filed May 5, 1999, 5:42 p.m.: 22 IR 2873*)

**675 IAC 22-2.2-438 Section 8101.3; permits and plan submittal (Repealed)**

Sec. 438. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-439 Section 8101.3.1; permits (Repealed)**

Sec. 439. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-440 Section 8101.3.2; plans and specifications submittal (Repealed)**

Sec. 440. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-441 Section 8101.3.3; evacuation plan (Repealed)**

Sec. 441. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-442 Section 8102.1; general fire protection and life safety features, general (Repealed)**

Sec. 442. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-443 Section 8102.6.1; access roadways (Repealed)**

Sec. 443. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-443.5 Section 8102.6.2.2; number of doors required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 443.5. Add an exception to section 8102.6.2.2 to read as follows: When an ESFR sprinkler system is installed throughout the high piled storage area, access doors shall be provided in each two hundred (200) lineal feet, or major fraction thereof, of the exterior walls which face required access roadways. Spacing between doors shall not exceed two hundred (200) lineal feet throughout the high piled storage area. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-443.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1179*)

**675 IAC 22-2.2-444 Section 8102.7.1; smoke and heat removal, general (Repealed)**

Sec. 444. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-445 Section 8102.9.1; small hose stations (Repealed)**

Sec. 445. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-446 Section 8102.10.1; aisles, general (Repealed)**

Sec. 446. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-447 Section 8104.5.1; required approvals (Repealed)**

Sec. 447. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-448 Section 8104.5.2; fire protection (Repealed)**

Sec. 448. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-449 Table 81-A; general fire protection and life safety requirements (Repealed)**

Sec. 449. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-450 Section 8202; permits, plans, and records (Repealed)**

Sec. 450. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-451 Section 8202.1; permits and plans (Repealed)**

Sec. 451. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-452 Section 8202.2; records (Repealed)**

Sec. 452. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-453 Section 8203.2.1; portable containers (Repealed)**

Sec. 453. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-454 Section 8203.2.1.1; general (Repealed)**

Sec. 454. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-455 Section 8203.2.1.3; construction and temporary heating (Repealed)**

Sec. 455. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-456 Section 8203.2.1.5; educational and institutional uses (Repealed)**

Sec. 456. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-457 Section 8203.2.1.6; demonstration uses (Repealed)**

Sec. 457. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-458 Section 8204.1; location of containers, general (Repealed)**

Sec. 458. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-459 Section 8204.2; maximum capacity within established limits (Repealed)**

Sec. 459. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-460 Section 8204.3; container location (Repealed)**

Sec. 460. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-461 Section 8204.4; multiple container installation (Repealed)**

Sec. 461. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-462 Section 8205.2; release to the atmosphere (Repealed)**

Sec. 462. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-463 Section 8210; protecting containers from vehicles (Repealed)**

Sec. 463. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-464 Section 8212.12; location of storage outside of buildings (Repealed)**

Sec. 464. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-465 Section 8212.13; protection of containers (Repealed)**

Sec. 465. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-466 Section 8212.14; alternate location and protection of storage (Repealed)**

Sec. 466. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-467 Section 8213.2; permanently out of service (Repealed)**

Sec. 467. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-468 Section 8214.1; general (Repealed)**

Sec. 468. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

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**675 IAC 22-2.2-469 Section 8214.2.1; near residential, educational, and institutional occupancies and other high-risk areas (Repealed)**

Sec. 469. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-470 Table 8212-A; location of containers awaiting use (Repealed)**

Sec. 470. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-471 Section 8503.1; during construction (Repealed)**

Sec. 471. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-472 Section 8503.3; attachment to structures (Repealed)**

Sec. 472. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-473 Section 8506.2.3; power supply (Repealed)**

Sec. 473. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-474 Section 8509.3; labeling (Repealed)**

Sec. 474. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-475 Section 8702; permits (Repealed)**

Sec. 475. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-476 Section 8704.2; access roads (Repealed)**

Sec. 476. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-477 Section 8704.4.2; fire extinguishers (Repealed)**

Sec. 477. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-478 Section 8704.4.4; fire protection (Repealed)**

Sec. 478. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-479 Section 8704.7; heating devices (Repealed)**

Sec. 479. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-480 Section 8704.8; smoking (Repealed)**

Sec. 480. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-481 Section 8704.15; building access (Repealed)**

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Sec. 481. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-482 Section 8704.16; emergency telephone (Repealed)**

Sec. 482. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-483 Section 8705; alterations of buildings (Repealed)**

Sec. 483. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-484 Section 8706.5; burning of combustible waste (Repealed)**

Sec. 484. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-485 Section 8801.3; permits (Repealed)**

Sec. 485. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-486 Section 8803.2.2; storage (Repealed)**

Sec. 486. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-487 Section 8901.1; purpose, scope (Repealed)**

Sec. 487. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-488 Section 8902.1; definitions (Repealed)**

Sec. 488. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-489 Section 8903.1; fire safety requirements (Repealed)**

Sec. 489. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-490 Section 9001.3; recognized standards (Repealed)**

Sec. 490. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-491 Appendix I-A; life safety requirements for existing buildings other than high-rise buildings (Repealed)**

Sec. 491. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-492 Appendix I-B; life safety requirements for existing high-rise buildings (Repealed)**

Sec. 492. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-493 Appendix I-C; stairway identification (Repealed)**

Sec. 493. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-494 Appendix II-A; suppression and control of hazardous fire areas (Repealed)**

Sec. 494. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-495 Appendix II-B; protection of flammable and combustible liquid tanks in locations subject to flooding (Repealed)**

Sec. 495. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-496 Appendix II-C; marinas (Repealed)**

Sec. 496. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-497 Appendix II-D; rifle ranges (Repealed)**

Sec. 497. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-498 Appendix II-E; hazardous materials management plans and hazardous materials inventory statements (Repealed)**

Sec. 498. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-499 Appendix II-F; protected aboveground tanks for motor vehicle fuel-dispensing stations outside buildings (Repealed)**

Sec. 499. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-500 Appendix II-G; secondary containment for underground tank systems containing flammable or combustible liquids (Repealed)**

Sec. 500. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-501 Appendix II-H; site assessments for determining potential fire and explosion risks from underground flammable or combustible liquid tank leaks (Repealed)**

Sec. 501. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-502 Appendix II-I; ozone gas-generating equipment (Repealed)**

Sec. 502. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-503 Appendix II-J; storage of flammable and combustible liquids in tanks located within below grade vaults (Repealed)**

Sec. 503. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-504 Appendix III-A; fire-flow requirements for buildings (Repealed)**

Sec. 504. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-505 Appendix III-B; fire hydrant locations and distribution (Repealed)**

Sec. 505. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-506 Appendix III-C; testing automatic sprinkler and standpipe systems (Repealed)**

Sec. 506. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-507 Appendix III-D; basement pipe inlets (Repealed)**

Sec. 507. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-508 Appendix IV-A; interior floor finish (Repealed)**

Sec. 508. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-509 Appendix IV-B; Christmas trees (Repealed)**

Sec. 509. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-510 Appendix V-A; nationally recognized standards of good practice (Repealed)**

Sec. 510. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-511 Appendix VI-A; hazardous materials classifications (Repealed)**

Sec. 511. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-511.1 Appendix VI-B; hazard ranking**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 511.1. Appendix VI-B is not adopted. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-511.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965)

**675 IAC 22-2.2-512 Appendix VI-C; emergency relief venting for fire exposure for aboveground tanks (Repealed)**

Sec. 512. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-513 Appendix VI-D; model citation program (Repealed)**

Sec. 513. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-514 Appendix VI-E; reference tables from the Uniform Building Code (Repealed)**

Sec. 514. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-515 Appendix VI-F; recommended separation distances for explosive materials (Repealed)**

Sec. 515. (Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)

**675 IAC 22-2.2-515.1 Appendix VI-G; cryogenic fluids weight and volume equivalents**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 515.1. Appendix VI-G is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-515.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965*)

**675 IAC 22-2.2-516 Appendix VI-H; refrigerant groups and properties (Repealed)**

Sec. 516. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-517 Appendix VI-I; unit conversion tables (Repealed)**

Sec. 517. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-518 Uniform Fire Code Standard 10-1; installation, inspection, maintenance, and testing of portable fire extinguishers (Repealed)**

Sec. 518. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-519 Uniform Fire Code Standard 10-2; installation, maintenance, and use of sprinkler alarm and fire alarm systems (Repealed)**

Sec. 519. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-520 Uniform Fire Code Standard 24-1; aircraft fueling (Repealed)**

Sec. 520. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-521 Uniform Fire Code Standard 52-1; compressed natural gas (CNG) vehicular fuel systems (Repealed)**

Sec. 521. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-522 Uniform Fire Code Standard 62-1; ovens and furnaces (Repealed)**

Sec. 522. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-523 Uniform Fire Code Standard 74-1; industrial and institutional bulk oxygen systems (Repealed)**

Sec. 523. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-524 Uniform Fire Code Standard 79-1; foam fire protection standard (Repealed)**

Sec. 524. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

**675 IAC 22-2.2-525 Uniform Fire Code Standard 79-2; fixed water-spray automatic fire protection systems (Repealed)**

Sec. 525. (*Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032*)

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**675 IAC 22-2.2-526 Uniform Fire Code Standard 79-3; identification of health, flammability, and reactivity hazards of hazardous materials (Repealed)**

Sec. 526. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-527 Uniform Fire Code Standard 79-4; vehicles for transporting flammable or combustible liquids (Repealed)**

Sec. 527. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-528 Uniform Fire Code Standard 79-5; portable flammable or combustible liquid tanks (Repealed)**

Sec. 528. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-529 Uniform Fire Code Standard 79-6; interior lining of underground storage tanks (Repealed)**

Sec. 529. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-530 Uniform Fire Code Standard 79-7; testing requirements for protected aboveground tanks (Repealed)**

Sec. 530. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-531 Uniform Fire Code Standard 80-1; storage, dispensing, and use of silane and its mixtures (Repealed)**

Sec. 531. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-532 Uniform Fire Code Standard 80-2; industrial and institutional bulk oxygen systems (Repealed)**

Sec. 532. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-533 Uniform Fire Code Standard 80-3; flammable cryogenic fluid systems at consumer sites (Repealed)**

Sec. 533. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-534 Uniform Fire Code Standard 80-4; inert cryogenic fluid systems at consumer sites (Repealed)**

Sec. 534. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-535 Uniform Fire Code Standard 81-1; high-piled general storage of combustibles in buildings (Repealed)**

Sec. 535. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-536 Uniform Fire Code Standard 81-2; high-piled storage of combustibles on racks in buildings (Repealed)**

Sec. 536. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-537 Uniform Fire Code Standard 81-3; mechanical smoke removal systems (Repealed)**

Sec. 537. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-538 Uniform Fire Code Standard 81-4; high-piled storage of combustible records in buildings (Repealed)**

Sec. 538. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-539 Uniform Fire Code Standard 82-1; liquefied petroleum gas storage and use (Repealed)**

Sec. 539. *(Repealed by Fire Prevention and Building Safety Commission; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3032)*

**675 IAC 22-2.2-540 Uniform Fire Code Standard A-III-C-1; inspection, testing, and maintenance of water based fire-protection systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 540. Delete Uniform Fire Code Standard A-III-C-1 and substitute the following: UFC Standard A-III-C-1 shall be NFPA 25 as adopted at section 5 of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-540; filed Mar 25, 1999, 4:30 p.m.: 22 IR 2528; errata filed Jul 29, 1999, 10:56 a.m.: 22 IR 3937)*

**Rule 2.3. Indiana Fire Code, 2003 Edition**

**675 IAC 22-2.3-1 Adoption by reference**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 1. That a certain document being titled the International Fire Code, 2000 Edition, fourth printing, as published by the International Fire Code Institute and the International Code Council, Inc., 5203 Leesburg Pike, Suite 708, Falls Church, Virginia 22041-3401, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in sections 3 through 342 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-1; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2968)*

**675 IAC 22-2.3-2 Section 101.1; title; availability**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 2. Delete Section 101.1 in its entirety and substitute the following: 101.1 Title; Availability.

(a) This rule shall be known as the 2003 Indiana Fire Code and shall be published, except incorporated documents, by the Department of Fire and Building Services for general distribution and use under that title. Wherever the term "this code" is used throughout this rule, it shall mean the 2003 Indiana Fire Code.

(b) This rule and incorporated documents therein are available to review and as reference at the Department of Fire and Building Services, Indiana Government Center-South, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-2; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2968)*

**675 IAC 22-2.3-3 Section 101.2; scope**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 3. Delete Section 101.2 and substitute the following: The provisions of this code shall apply to existing conditions as

well as to conditions arising after the adoption thereof. Buildings, systems, and uses legally in existence at the adoption of this code shall be permitted to continue so long as they are maintained in a condition that is equivalent to the quality and fire resistive characteristics that existed when the building was constructed, altered, added to, or repaired. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-3; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2968*)

**675 IAC 22-2.3-4 Section 101.3; intent**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 4. Delete Section 101.3 in its entirety and substitute to read as follows: 101.3 Intent. The intent of this code is to prescribe maintenance, new construction requirements, and operational rules for the safeguarding to a reasonable degree of life and property from the hazards of fire or explosion arising from the storage, handling, or use of substances, materials, and devices. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-4; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2968*)

**675 IAC 22-2.3-5 Section 102; applicability**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 5. Delete Section 102.1, Section 102.2, Section 102.3, Section 102.4, Section 102.5, Section 102.7, Section 102.8, and Section 102.9 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-5; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2968*)

**675 IAC 22-2.3-6 Section 103; department of fire prevention**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 6. Delete Section 103; Department of Fire Prevention. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-6; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2968*)

**675 IAC 22-2.3-7 Sections 104.1, 104.2, 104.3, 104.3.1, 104.4, 104.5, 104.6, 104.6.1, 104.6.2, 104.6.3, 104.6.4; general, applications and permits, right of entry, warrant, identification, notices and orders, official records, approvals and variances, inspections, fire records, administrative**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 7. Delete Sections 104.1 through 104.6 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-7; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2968*)

**675 IAC 22-2.3-8 Section 104.7; approved materials and equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 8. Delete the text of Section 104.7 and substitute the following: 104.7 Approval. Wherever in this code the State Fire Marshal, his deputies, or the chief of the fire department or code official are authorized to approve any location, method, material, system, or product in achieving compliance with this code, that decision shall be based on the following:

- (1) Investigation or tests conducted by recognized authorities; or
- (2) Investigation or tests conducted by technical or scientific organizations; or
- (3) Accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-8; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2968*)

**675 IAC 22-2.3-9 Section 104.7.1; material and equipment reuse**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 9. Delete Section 104.7.1. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-9; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969*)

**675 IAC 22-2.3-10 Section 104.7.2; technical assistance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 10. In Section 104.7.2, delete the last sentence. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-10; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969*)

**675 IAC 22-2.3-11 Sections 104.8, 104.9, 104.10, 104.10.1; modifications, alternative materials and methods, fire investigations, assistance from other agencies**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 11. Delete Sections 104.8 through 104.10.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-11; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969*)

**675 IAC 22-2.3-12 Section 105; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 12. Delete Section 105 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-12; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969*)

**675 IAC 22-2.3-13 Section 106; inspections**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 13. Delete Section 106 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-13; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969*)

**675 IAC 22-2.3-14 Section 107.1; maintenance of safeguards**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 14. Delete Section 107.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-14; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969*)

**675 IAC 22-2.3-15 Section 107.2; test and inspection records**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 15. Amend Section 107.2.1 Test and Inspection Records to read as follows: Written records of maintenance, test, and inspections shall be maintained on the premises where the equipment is located or at a corporate central office and shall be made immediately available to the inspection authority on request. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-15;*

filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969)

**675 IAC 22-2.3-16 Sections 108, 109, 110, 111; board of appeals, violations, unsafe buildings, stop work order**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 16. Delete Sections 108 through 111 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-16; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969*)

**675 IAC 22-2.3-17 Section 201.3; terms defined in other codes**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 17. Delete the text of Section 201.3 Terms defined in other codes and substitute to read as follows: Where terms are not defined in this code and are defined in the Indiana Building Code (675 IAC 13), Indiana Electrical Code (675 IAC 17), Indiana Fuel Gas Code (675 IAC 25), Indiana Mechanical Code (675 IAC 18), or Indiana Plumbing Code (675 IAC 16), such terms shall have the meanings ascribed to them as in those codes. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-17; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969*)

**675 IAC 22-2.3-18 Section 201.3.1; terms defined in other codes**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 18. Add Section 201.3.1 to read as follows: 201.3.1. Terms defined in other codes.

ICC ELECTRICAL CODE. Refers to the Indiana Electrical Code (675 IAC 17).

INTERNATIONAL BUILDING CODE refers to the INDIANA BUILDING CODE (675 IAC 13).

INTERNATIONAL MECHANICAL CODE refers to the INDIANA MECHANICAL CODE (675 IAC 18).

INTERNATIONAL FUEL GAS CODE refers to the INDIANA FUEL GAS CODE (675 IAC 25).

INTERNATIONAL PLUMBING CODE refers to the INDIANA PLUMBING CODE (675 IAC 16).

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-18; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2969; errata filed May 11, 2004, 1:34 p.m.: 27 IR 3078*)

**675 IAC 22-2.3-19 Section 202; general definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14-2-10; IC 22-15-2-7; IC 25-4; IC 25-31; IC 36-7-2-9; IC 36-8-17-9

Sec. 19. In Section 202, change the following definitions to read:

APPROVED. As to materials, equipment, design, and types of construction, acceptance by the code official by one (1) of the following methods:

- (1) Investigation or tests conducted by recognized authorities; or
- (2) Investigation or tests conducted by technical or scientific organizations; or
- (3) Accepted principles.

The investigation, tests, or principal [*sic., principles*] shall established [*sic., establish*] that the materials, equipment, and types of construction are safe for the intended purpose.

AUTOMOTIVE SERVICE STATION to read MOTOR FUEL DISPENSING FACILITY. See Section 2202.1.

CODE OFFICIAL. The office of the state building commissioner as authorized under IC 22-15-2-7; the office of the state fire marshal as authorized under IC 22-14-2-10; the local building official as authorized under IC 36-7-2-9 and local ordinance; the fire department as authorized under IC 36-8-17-9.

FACILITY. A building or use in a fixed location, including exterior storage areas for flammable and combustible substances and hazardous materials, piers, wharves, tank farms, and similar uses.

HIGH VOLATILE LIQUID. A liquefied compressed gas with a boiling point of less than 65°F (20°C).

MARINE SERVICE STATION. MARINE MOTOR FUEL DISPENSING FACILITY. See Section 2202.1.

OCCUPANCY CLASSIFICATION. Occupancy classification shall be as specified in the Building Code in effect at the time of construction, alteration, or change of occupancy.

REGISTERED DESIGN PROFESSIONAL. An architect who is registered under IC 25-4 or professional engineer registered under IC 25-31. If a registered design professional is not required by 675 IAC 12-6 or 675 IAC 15, then it means the owner.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-19; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2970)*

**675 IAC 22-2.3-20 Section 202; general definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 20. In Section 202, delete the following definitions: CONSTRUCTION DOCUMENTS, FIRE ALARM, AND SPECIAL AMUSEMENT BUILDING. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-20; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2970)*

**675 IAC 22-2.3-21 Section 202; general definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-2-1; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 21. In Section 202, add the following definitions:

BUILDING CODE. The building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

CHIEF: See CODE OFFICIAL.

COMMISSION is the Indiana Fire Prevention and Building Safety Commission as set forth at IC 22-12-2-1.

COMPATIBLE is approved equipment which functions effectively with other approved equipment within an alarm system.

CONTROL UNIT is a combination of equipment which contains the primary and secondary power supplies, receives signals from initiating devices, transmits signals to signaling devices, and electrically supervises the system circuitry.

ELECTRICAL CODE is the electrical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

FIRE ALARM SYSTEM. A combination of approved equipment which with operation of an alarm initiating device produces an alarm signal.

FLAME RESISTANT MATERIAL is material that has been modified in its chemical composition by impregnation, coating, or has inherent composition that makes the material resistant to ignition and combustion when exposed to a small ignition source.

FLAME RETARDANT. An approved chemical, chemical compound, or mixture which, when applied in an approved manner to any fabric or other material, will render such fabric or material incapable of supporting combustion.

INSPECTION AUTHORITY. See CODE OFFICIAL.

MECHANICAL CODE. The mechanical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

PLUMBING CODE. The plumbing code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

QUALIFIED INDIVIDUAL is a person who has successfully completed instruction related to the equipment being installed, serviced, or repaired.

SERVICING FIRE DEPARTMENT: See CODE OFFICIAL.

TRAINED PERSONNEL (Individual): See QUALIFIED PERSONNEL (Individual).

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-21; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2970)*

**675 IAC 22-2.3-22 Section 301.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 22. Delete Section 301.2 Permits without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-22; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971*)

**675 IAC 22-2.3-23 Section 304.2; storage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 23. Amend Section 304.2 Storage to read as follows: Storage of combustible rubbish shall not produce conditions that will create a fire hazard that endangers the safety of persons or property. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-23; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971*)

**675 IAC 22-2.3-24 Section 307.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 24. Amend Section 307.2 to read as follows: Notification. Prior to commencement of open burning, the fire department having jurisdiction shall be notified. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-24; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971*)

**675 IAC 22-2.3-24.1 Section 307.2.1; authorization**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 24.1. Delete Section 307.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-24.1; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971*)

**675 IAC 22-2.3-25 Section 307.2.2; prohibited open burning**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 25. Amend Section 307.2.2 to read as follows: Discontinuance. The chief is authorized to require open burning be immediately discontinued if such fires constitute a hazardous condition. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-25; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971*)

**675 IAC 22-2.3-26 Section 307.2.3; material restrictions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 26. Add Section 307.2.3 to read as follows: 307.2.3 Material restrictions. Open burning of rubbish containing paper products is prohibited. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-26; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971*)

**675 IAC 22-2.3-27 Section 307.4; attendance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 27. Amend Section 307.4 to read as follows: Burning material shall be constantly attended by a person knowledgeable in the use of the fire-extinguishing equipment required by this section and familiar with any limitations which restrict open burning. An attendant shall supervise the burning material until the fire has been extinguished. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-27; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971)*

**675 IAC 22-2.3-28 Section 308.3; open flame**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 28. Amend Section 308.3 by deleting “obtaining a permit in accordance with Section 105.6” and substituting “notifying the fire department having jurisdiction”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-28; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971)*

**675 IAC 22-2.3-29 Section 308.3.4; religious ceremonies**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 29. In section 308.3.4, delete “in the opinion of the code official, adequate” and substitute “approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-29; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971)*

**675 IAC 22-2.3-30 Section 308.4.1; approval**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 30. Amend Section 308.4.1 to read as follows: Prior to using a torch or flame-producing device to remove paint from a structure, the fire department having jurisdiction shall be notified. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-30; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971)*

**675 IAC 22-2.3-31 Section 308.5; open-flame devices**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 31. Amend Section 308.5 to read as follows: In the first sentence, delete all text after “hazardous fire areas, except” and substitute “when approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-31; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2971)*

**675 IAC 22-2.3-32 Section 310.2; prohibited areas**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 32. Amend Section 310.2 to read as follows: Whenever smoking constitutes a fire hazard in any area of piers, wharfs, warehouses, stores, industrial plants, institutions, schools, places of assembly, and in open spaces where combustible materials are stored or handled, the chief is authorized to order the owner or occupant to post approved NO SMOKING signs in each building, structure, room, or place in which smoking is prohibited. Such signs shall be conspicuously and suitably located and shall be maintained.

EXCEPTIONS: 1. Buildings or structures which are smoke-free environments and are posted as such at all public and employee entrances.

2. No visible evidence of prohibited smoking exists within the building or structure.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-32; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2972)*

**675 IAC 22-2.3-32.1 Section 311.1.1; abandoned premises**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 32.1. Delete Section 311.1.1. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-32.1; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2972*)

**675 IAC 22-2.3-33 Section 311.2.2; fire protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 33. Amend Section 311.2.2 by deleting Exceptions 1 and 2. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-33; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2972*)

**675 IAC 22-2.3-34 Section 313.1; vehicle storage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 34. Amend Section 313.1, Exception 1 by deleting "See Section 8-4 of NFPA 58 (675 IAC 22-2.2-14)" and substituting "Section 15 of this code". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-34; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2972*)

**675 IAC 22-2.3-35 Section 315.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 35. Amend Section 315.1 by deleting the last sentence. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-35; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2972*)

**675 IAC 22-2.3-36 Section 316; outdoor carnivals and fairs**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 36. Add Section 316 Outdoor Carnivals and Fairs to read as follows:

**SECTION 316. CARNIVALS AND FAIRS**

316.1 General. The grounds of carnivals and fairs, including concession booths, shall be in accordance with Section 316.

316.2 Grounds.

316.2.1 General. Grounds shall be in accordance with Section 316.2.

316.2.2 Access. Fire apparatus access roads shall be provided in accordance with Section 503.

316.2.3 Fire appliances.

316.2.3.1 General. Fire appliances shall be provided for the entire midway, as required by the chief.

316.2.3.2 Location. Maximum travel distance to a portable fire extinguisher shall not exceed seventy-five (75) feet (twenty-two thousand eight hundred sixty (22,860) mm).

316.2.4 Electrical equipment. Electrical equipment and installations shall comply with the Electrical Code (675 IAC 17).

316.3 Concession Stands.

316.3.1 General. Concession stands shall be in accordance with Section 316.3.

316.3.2 Location. Concession stands utilized for cooking shall have a minimum of ten (10) feet (three thousand forty-eight (3,048) mm) of clearance on two (2) sides and shall not be located within ten (10) feet (three thousand forty-eight (3,048) mm) of amusement rides or devices.

316.3.3 Fire extinguishers. A 40-B:C-rated dry chemical fire extinguisher shall be provided where deep-fat fryers are used.

316.4 Internal Combustion Power Sources.

316.4.1 General. Internal combustion power sources, including motor vehicles, generators, and similar equipment, shall be in accordance with Section 316.4.

315.4.2 Fueling. Fuel tanks shall be of adequate capacity to permit uninterrupted operation during normal operating hours. Refueling shall be conducted only when the ride is not in use.

316.4.3 Protection. Internal combustion power sources shall be isolated from contact with the public by either physical guards, fencing, or an enclosure.

316.4.4 Fire extinguishers. A minimum of one (1) fire extinguisher with a rating of not less than 2-A:10-B:C shall be provided. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-36; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2972)*

**675 IAC 22-2.3-37 Section 408.7.3; notification**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 37. Change Section 408.7.3 to read as follows: Provisions shall be made for residents in Use Conditions 3, 4, and 5 as defined in the Indiana Building Code (675 IAC 13) Section 308.4 to immediately notify staff of an emergency. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-37; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973)*

**675 IAC 22-2.3-37.1 Section 408.8.1; evacuation diagrams**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 37.1 Amend Section 408.8.1 by adding "in accordance with Appendix A-1" after "diagram" and before "depicting". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-37.1; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973)*

**675 IAC 22-2.3-38 Section 501.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 38. Delete Section 501.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-38; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973)*

**675 IAC 22-2.3-39 Section 501.3; construction documents**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 39. In Section 501.3, delete "and approval" without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-39; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973)*

**675 IAC 22-2.3-40 Section 503.1.1; buildings and facilities**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 40. Change Section 503.1.1 as follows: Delete the exception and substitute the following: EXCEPTION: Buildings protected throughout by a supervised automatic fire sprinkler system and not used for high-piled combustible storage in excess of twelve thousand (12,000) square feet. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-40; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973)*

**675 IAC 22-2.3-41 Section 503.1.2; additional access**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 41. Delete Section 503.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-41; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973*)

**675 IAC 22-2.3-42 Section 503.1.4; lumber storage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 42. Add Section 503.1.4 to read as follows: For exterior lumber storage, see Section 1903.6. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-42; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973*)

**675 IAC 22-2.3-43 Section 503.2.2; authority**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 43. Change Section 503.2.2 to read as follows: Vertical clearances or widths required by this section shall be increased when vertical clearances or widths do not provide fire apparatus access for the largest vehicle available to the servicing fire department. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-43; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973*)

**675 IAC 22-2.3-44 Section 503.2.3; surface**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 44. Change Section 503.2.3 to read as follows: Fire apparatus access roads shall be designed and constructed to support the imposed live loads of the heaviest piece of fire department apparatus available to the servicing fire department and shall be provided with a surface so as to provide all-weather driving capabilities. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-44; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973*)

**675 IAC 22-2.3-45 Section 503.2.4; turning radius**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 45. Change Section 503.2.4 to read as follows: The turning radius of a fire apparatus access road shall be determined after consultation with the servicing fire department and shall be at least equal to the minimum required radius for the fire apparatus. Such roads shall be designed and constructed to permit turning of the longest piece of fire apparatus available to the servicing fire department. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-45; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973*)

**675 IAC 22-2.3-46 Section 503.2.5; dead ends**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 46. Change Section 503.2.5 to read as follows: Dead-end fire apparatus access roads in excess of one hundred fifty (150) feet in length shall be designed and constructed so as to allow the turning around of the longest piece of fire apparatus available to the servicing fire department. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-46; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2973*)

**675 IAC 22-2.3-47 Section 503.2.6; bridges and elevated surfaces**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 47. Amend Section 503.2.6 to read as follows:

(1) In the third sentence, delete “when required by the code official”.

(2) Amend the last sentence to read as follows: Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces which are not designed for such use, approved barriers or approved signs shall be installed.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-47; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2974)*

**675 IAC 22-2.3-48 Section 503.2.7; grade**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 48. Change Section 503.2.7 to read as follows: The gradient for all fire apparatus access roads shall not exceed the maximum that the apparatus available to the servicing fire department can accommodate. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-48; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2974)*

**675 IAC 22-2.3-49 Section 503.3; marking**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 49. Change Section 503.3 to read as follows: When required by local ordinance, signs, or other notices shall be provided and maintained for the fire apparatus access roads to identify such roads and prohibit the obstruction thereof. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-49; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2974)*

**675 IAC 22-2.3-50 Section 503.5; required gates or barricades**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 50. Amend Section 503.5 by adding to the beginning “When required by local ordinance”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-50; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2974)*

**675 IAC 22-2.3-51 Section 504.1; required access**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 51. In Section 504.1, delete the last sentence. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-51; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2974)*

**675 IAC 22-2.3-52 Section 504.2; maintenance of exterior doors and openings**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 52. In Section 504.2, change the first sentence to read as follows: Exterior doors and their function shall be maintained in accordance with 675 IAC 12-4-9. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-52; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2974)*

**675 IAC 22-2.3-53 Section 506; key boxes**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 53. Delete the text of Section 506 and substitute to read as follows: 506.1. When Required. Whenever the servicing fire department has instituted a key box emergency access system, a key box compatible with that system shall be installed in an accessible location if:

- (1) the building is protected with an automatic sprinkler system equipped with a local or transmitted water-flow alarm, or
- (2) the building is provided with any fire alarm system equipped with an outside audible/visual signaling device, or
- (3) the building is provided with any fire alarm system where the alarm is transmitted to an off-site location, or to the fire alarm center for the servicing fire department.

506.2 Responsibility for Key Box. Key boxes are to be provided by the building owner and shall contain such keys necessary to access all protected areas of the building. Multi-tenant buildings may share an owner-provided box, and the building owner shall assume responsibility for insuring that keys are updated as appropriate. Tenant-provided boxes may not be shared with any other tenant, and the tenant assumes responsibility for key updates for the subject tenant space.

EXCEPTION: Key boxes for apartment houses are not required to contain keys to individual apartment dwelling units.

506.3 Existing Buildings. When a design release is issued by the office of the state building commissioner or a permit by local government when a design release is not required for construction, buildings constructed prior to April 30, 1998, shall not be required to provide a key box or key boxes under this section. Any new tenancy within a space previously occupied by a different tenant shall require that a key box be provided in accordance with Sections 506.1 and 506.2. Existing buildings required to install a key box or key boxes by this section shall not be in violation of this section until one (1) year after the effective date of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-53; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2974)*

**675 IAC 22-2.3-54 Section 507.2.1; exterior access to shaftways**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 54. In Section 507.2.1, delete "from the outside of the building". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-54; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-55 Section 508.1, Section 508.2; required water supply, type of water supply**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 55. Delete Sections 508.1 and 508.2 and substitute the following: Required Water Supply for Fire Protection. A water supply capable of supplying the required fire flow, for firefighting purposes, as determined by local ordinance, shall be provided to all premises upon which a Class 1 building or a portion of Class 1 buildings are hereafter constructed. The water supply shall be provided as follows:

- (1) When a public water supply is available to a premises, there shall be provided fire hydrants and mains capable of supplying the required fire flow.
- (2) When a public water supply is not available to a premises, the water supply shall consist of a pond, stream, river, canal, lake, reservoir, quarry, pressure tank, elevated tank, swimming pool, other fixed systems, or fire department delivered portable system capable of providing the required fire flow. The on-site water supply shall be accessible to the fire department and be located within one hundred fifty (150) feet of the Class 1 building or structure being protected with an automatic fire-extinguishing system. If the on-site water supply is not within one hundred fifty (150) feet of the structure being protected, the water supply shall be connected to on-site fire hydrants and mains capable of supplying the required fire flow. The owner shall verify the water supply requirements with the servicing fire department prior to final design and construction.
- (3) As provided in Section 508.2.1 and Section 508.2.2.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-55; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-56 Section 508.3; fire flow**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 56. Change Section 508.3 to read as follows: Local ordinance may adopt Appendix B to set requirements for fire flow. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-56; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-57 Section 508.5.1; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 57. In Section 508.5.1, delete “where required by the code official”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-57; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-58 Section 508.5.2; inspection, testing, and maintenance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 58. In Section 508.5.2, delete the first sentence. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-58; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-59 Section 509.1; features**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 59. In Section 509.1, change the fifth sentence to read as follows: A layout of the fire command center and all features required by this section shall be submitted to the fire department having jurisdiction prior to installation. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-59; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-60 Section 601.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 60. Delete Section 601.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-60; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-61 Section 603.3.1; maximum outside fuel oil storage above ground**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 61. In Section 603.3.1, delete “NFPA 31” and insert “Chapter 34 of this code”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-61; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-62 Section 603.3.3; underground storage of fuel oil**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 62. In Section 603.3.3, delete “NFPA 31” and insert “Chapter 34 of this code”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-62; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-63 Section 603.4; portable unvented heaters**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 63. Change Section 603.4 to read as follows: 603.4 Portable unvented heaters. The use of listed portable unvented oil-burning heating appliances shall be limited to supplemental heating in detached single family residences.

EXCEPTION: Upon approval of the code official, portable unvented oil-burning heating appliances may be permitted in any occupancy during the construction process when such is necessary for the construction and the use does not represent a hazard of life or property.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-63; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2975)*

**675 IAC 22-2.3-64 Section 603.8.5; discontinuance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 64. Delete the text of Section 603.8.5 and substitute to read as follows: The chief is authorized to require incinerator use to be immediately discontinued if the use of the incinerator constitutes a hazardous condition. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-64; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976)*

**675 IAC 22-2.3-65 Section 604.1; installation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 65. In Section 604.1, delete "NFPA 110 and NFPA 111". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-65; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976)*

**675 IAC 22-2.3-66 Section 604.1.1; stationary generators**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 66. In Section 604.1.1, delete "comply" and insert "be listed in accordance with". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-66; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976)*

**675 IAC 22-2.3-67 Section 605.3; working space and clearance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 67. In Section 605.3, delete Exception 2. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-67; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976)*

**675 IAC 22-2.3-68 Section 605.5.1; power supply**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 68. In Section 605.5.1, delete "power tap or multiplug adapter and". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-68; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976)*

**675 IAC 22-2.3-69 Section 606.5; access**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 69. In Section 606.5, delete “as required by the code official”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-69; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976*)

**675 IAC 22-2.3-70 Section 606.6.1; periodic testing**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 70. In Section 606.6.1, delete “and as required by the code official”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-70; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976*)

**675 IAC 22-2.3-71 Section 606.11.3; ammonia refrigerants**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 71. Amend Section 606.11.3 by adding Exception 2 to read as follows: 2. When the code official determines, upon review of an engineering analysis prepared in accordance with Section 104.7.2, that a fire or explosion hazard would not result from discharging ammonia directly to atmosphere. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-71; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976*)

**675 IAC 22-2.3-72 Section 606.13; notification of discharges**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 72. Amend Section 606.13 Notification of discharges to read as follows: 606.13 Notification of refrigerant discharges. The code official shall be notified immediately when a discharge becomes reportable under Section 2703.3.1. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-72; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976*)

**675 IAC 22-2.3-73 Section 607; elevator recall and maintenance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 73. Delete the text of Section 607 and substitute to read as follows: See the Indiana Elevator Code (675 IAC 21). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-73; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976*)

**675 IAC 22-2.3-74 Section 609; commercial kitchen hoods**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 74. Delete the text of Section 609 and substitute to read: See the Indiana Mechanical Code (675 IAC 18). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-74; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2976*)

**675 IAC 22-2.3-75 Section 703.2; opening protectives**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 75. Amend the first sentence of Section 703.2 to read as follows: Opening protectives shall be maintained in accordance with the rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-75; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-76 Section 703.2.1; signs**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 76. Change Section 703.2.1 to read as follows: A sign shall be displayed permanently near or on each required fire door in letters not less than one (1) inch (twenty-five and four-tenths (25.4) mm) high to read as follows:

(1) For doors designed to be kept normally open: FIRE DOOR - DO NOT BLOCK.

(2) For doors designed to be kept normally closed: FIRE DOOR - KEEP CLOSED.

For the purposes of this section, fire door means an assembly which is part of an area or occupancy separation. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-76; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-77 Section 704; floor openings and shafts**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 77. Delete Section 704 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-77; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-78 Section 804.5; a natural cut tree**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 78. Add Section 804.5 to read as follows: 804.5 A natural cut tree. At least two (2) working days prior to placing a natural cut tree in a public building the fire department having jurisdiction shall be notified. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-78; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-79 Section 806.2; wall and ceiling finish**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 79. Amend Section 806.2 by adding "Section 803 of" after "with" and before "the" in the first sentence. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-79; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-80 Section 901.2; construction documents**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 80. Amend Section 901.2 to read as follows: Complete plans and specifications for fire alarm systems; fire-extinguishing systems, including automatic sprinklers and wet dry standpipes; halon systems and other special types of automatic fire-extinguishing systems; basement pipeinlets; and other fire-protection systems and appurtenances thereto shall be submitted for review prior to system installation in accordance with 675 IAC 12-6 and with the local unit of government where required by local ordinance. Plans and specifications for fire alarm systems shall include, but not be limited to, a floor plan; location of all alarm-initiating and alarm-signaling devices; alarm control and trouble-signaling equipment; annuncuatuon [*sic.*]; power connection; battery calculations; conductor type and sizes; voltage drop calculations; and manufacturer, model numbers and listing information for all equipment, devices, and materials. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-80; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-81 Section 901.2.1; statement of compliance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 81. In Section 901.2.1, delete “where required by the code official”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-81; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-82 Section 901.3; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 82. Delete Section 901.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-82; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-83 Section 901.4; installation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 83. In Section 901.4, delete text after the first sentence and substitute to read as follows: Alterations to fire protection systems shall be done in accordance with the applicable rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-83; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-84 Section 901.4.3; additional fire protection systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 84. Delete Section 901.4.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-84; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2977*)

**675 IAC 22-2.3-85 Section 901.5; installation acceptance testing**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 85. In Section 901.5, delete “and as approved by the code official”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-85; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978*)

**675 IAC 22-2.3-86 Section 901.7; systems out of service**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 86. In Section 901.7, delete “where required by the code official”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-86; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978*)

**675 IAC 22-2.3-87 Section 902; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 87. In Section 902, make the following changes:

(1) Change the definitions to read as follows:

ALARM SIGNAL. An audible or visual signal indicating the existence of an emergency requiring immediate action.

FIRE ALARM SYSTEM. A combination of approved equipment which with operation of an alarm initiating device produces an alarm signal.

(2) Add the following definition to read as follows:

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an

organization engaged in product evaluation, that maintains periodic inspection or production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(3) Delete the definition of RECORD DRAWINGS.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-87; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978)*

**675 IAC 22-2.3-88 Section 903.3.1.1.1; exempt locations**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 88. Change Section 903.3.1.1.1 Exempt Locations as follows: Delete item 5 and substitute the following: Elevator equipment rooms and hoistways used exclusively for the operation of elevators and which are separated from the remainder of the building by two (2) hour fire resistive construction. Penetrations between machine rooms and hoistways necessary for the safe operation of an elevator and vents required by Section 3004 of this code need not be fire-rated. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-88; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978)*

**675 IAC 22-2.3-89 Section 903.3.1.2; NFPA 13R sprinkler systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 89. In Section 903.3.1.2, add "Occupancies" after "Group R". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-89; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978)*

**675 IAC 22-2.3-90 Section 903.3.5.1.1; limited area sprinkler systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 90. In the exception for Section 903.3.5.1.1 limited area sprinkler systems, delete "an approved" to and insert "a listed". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-90; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978)*

**675 IAC 22-2.3-91 Section 903.3.6; hose threads**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 91. Amend Section 903.3.6 to read as follows: Fire hose threads used in connection with automatic sprinkler systems shall be compatible with the equipment used by the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-91; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978)*

**675 IAC 22-2.3-92 Section 903.3.7; fire department connections**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 92. Change Section 903.3.7 Fire department connections to read as follows: The servicing fire department shall be consulted before placing the fire department hose connections at specific locations or the connections shall be placed as required by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-92; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978)*

**675 IAC 22-2.3-93 Section 903.4.2; alarms**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 93. Change Section 903.4.2 Alarms to read as follows: Listed audible and visible devices shall be connected to every automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building facing the public street, road, or highway that is in accordance with its legal address. Where buildings are not directly facing the public street, road, or highway or are in excess of two hundred fifty (250) feet from the public street, road, or highway, the servicing fire department shall be consulted in determining a location prior to the installation of the exterior audible and visible device. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

EXCEPTION: Sprinkler systems which are monitored by an approved supervisory station are not required to have the listed audible and visible device located on the exterior wall facing the public street, road, or highway.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-93; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2978)*

**675 IAC 22-2.3-94 Section 903.4.3; floor control valves**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 94. Change Section 903.4.3 Floor control valves as follows:

(1) Change “approved” to “a listed”.

(2) Change “high-rise buildings” to “buildings 4 stories or more in height”.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-94; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2979)*

**675 IAC 22-2.3-95 Section 903.6; existing buildings**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 95. Delete Section 903.6 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-95; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2979)*

**675 IAC 22-2.3-96 Section 904.2; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 96. In Section 904.2, delete “approved by the code official” and insert “in accordance with the rules of the commission”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-96; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2979)*

**675 IAC 22-2.3-97 Section 904.2.1; hood system suppression**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 97. In Section 904.2.1, delete “this code” and insert “Indiana Mechanical Code (675 IAC 18)”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-97; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2979)*

**675 IAC 22-2.3-98 Section 904.11; commercial cooking systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 98. Delete the last sentence of Section 904.11 Commercial cooking systems and substitute as follows: Automatic fire-extinguishing systems, for new installations, shall be installed in accordance with the Indiana Mechanical Code (675 IAC 18). *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-98; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2979)*

**675 IAC 22-2.3-99 Section 904.11.1, Section 904.11.2, Section 904.11.3, Section 904.11.4; manual system operation, system interconnection, carbon dioxide systems, special provisions for automatic sprinkler systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 99. Delete Sections 904.11.1 through 904.11.4 and substitute: See the Indiana Mechanical Code (675 IAC 18). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-99; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2979*)

**675 IAC 22-2.3-100 Section 904.11.5; commercial cooking equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 100. Delete the text of Section 904.11.5 and substitute to read as follows: Alkaline dry chemical-type portable fire extinguishers shall be installed in the kitchen area for the protection of the cooking equipment. Extinguishers shall have a minimum rating of forty (40) B (sodium bicarbonate or potassium bicarbonate base) and shall be conspicuously located and readily accessible along exit paths from the area. The extinguishers shall be a minimum of ten (10) feet and maximum of twenty (20) feet from the cooking equipment. The top of the extinguishers shall be a maximum of five (5) feet above the floor and shall be protected from physical damage. Cooking equipment involving vegetable or animal oils and fats shall be protected by a Class K rated portable extinguisher.

EXCEPTION: If portable fire extinguishers were not required at the time of installation of the cooking equipment, they shall be installed in accordance with the current Indiana Mechanical Code (675 IAC 18).

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-100; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2979*)

**675 IAC 22-2.3-101 Section 904.11.6.1, 904.11.6.2, 904.11.6.3, 904.11.6.4, 904.11.6.5; ventilation system, grease extractors, cleaning, extinguishing system service, fusible link and sprinkler head replacement**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 101. Delete Sections 904.11.6.1 through 904.11.6.5 and substitute to read as follows:

904.11.6.1 If grease extractors are installed, they shall be operated when the commercial food heat-processing equipment is used. Extinguishing systems shall be inspected and serviced at least every six (6) months or after activation of the system. Inspection and servicing shall be by qualified individuals, and a service and inspection report shall be left at the site. A Certificate of Inspection shall be forwarded to the chief of the fire department having jurisdiction upon completion of servicing or inspection. All inspections performed shall be to the code in effect at the time of installation, alteration, or modification.

Fusible links, sprinklers, and automatic spray nozzles shall be replaced at least annually, or more frequently if necessary, to ensure proper operation of the system, and other protection devices shall be serviced or replaced in accordance with the manufacturer's instructions.

EXCEPTION 1. Frangible bulbs need not be replaced annually.

EXCEPTION 2. When automatic bulb-type sprinklers or spray nozzles are used and an annual examination shows no buildup of grease or other material on the sprinkler or spray nozzle.

Hoods, grease-removal devices, fans, ducts, and other appurtenances shall be cleaned at frequent intervals in accordance with section 1006.1.

904.11.6.2 Exhaust systems with Type I hoods shall be installed in accordance with the mechanical code in effect at the time of installation or alteration, and maintained in accordance with the conditions of labeling (if labeled), the manufacturer's instructions and the following:

(1) A cleaning schedule shall be posted on site for every exhaust system with a Type I hood. The schedule shall indicate methods of cleaning and the time interval between cleaning.

(2) Surfaces subject to oil or grease deposits shall be cleaned to bare metal at intervals frequent enough to prevent oil or grease

deposits from exceeding a thickness of twenty-five thousandths (0.025) inch. Exhaust systems with Type I hoods shall be inspected by a qualified person at least every six (6) months.

(3) Flammable solvents or other flammable cleaning agents shall not be used.

(4) Care shall be taken not to apply cleaning chemicals to fusible links or other detection devices of the fire-extinguishing equipment.

(5) At the start of the cleaning process, electrical switches shall be locked out. WHEN CLEANING PROCEDURES ARE COMPLETED, ALL ELECTRICAL SWITCHES, DETECTION DEVICES, AND SYSTEM COMPONENTS SHALL BE RETURNED TO AN OPERABLE CONDITION BY QUALIFIED PERSONNEL.

(6) Records of cleaning, maintenance, and inspections shall be maintained on site for a period of three (3) years, and a certificate of inspection shall be forwarded to the chief of the fire department having jurisdiction upon completion.

EXCEPTION: Where the local health official or the Indiana Department of Health has more stringent cleaning requirements than those stated above, they shall take precedence over these requirements.

904.11.6.2.1 Existing Equipment. Exhaust systems with Type I hoods installed prior to the effective date of this code shall be maintained in accordance with the mechanical code in effect when the exhaust system with a Type I hood was installed.

EXCEPTION: All exhaust systems with Type I hoods shall be cleaned in accordance with the requirements of this section.

904.11.6.3 Where Required. Fire-extinguishing equipment for Type I hoods shall be installed in accordance with the Indiana Mechanical Code (675 IAC 18) in effect at the time of installation and maintained in accordance with section 904.11.6.1 of this code.

EXCEPTION: Fire-extinguishing systems for Type I hoods that serve deep fat fryers and other cooking appliances shall be either a system listed for application with such equipment or an automatic fire-extinguishing system that is specifically designed for such application.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-101; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2979)*

**675 IAC 22-2.3-102 Section 905.2; installation standards**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 102. Add an exception to 905.2 to read as follows: EXCEPTION: In other than high rise buildings where buildings are sprinklered in accordance with Section 903.3.1.1, the water supply pressure for the standpipe system is not required to exceed the pressure requirements for the sprinkler system. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-102; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2980)*

**675 IAC 22-2.3-103 Section 905.2.1; fire department connections**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 103. Add Section 905.2.1 after 905.2 to read as follows: 905.2.1 Fire Department connections. The location of fire department connections shall be in accordance with Section 903.3.7. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-103; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2980)*

**675 IAC 22-2.3-104 Section 905.3.5.1; hose and cabinet**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 104. Delete Section 905.3.5.1 Hose and cabinet and substitute to read as follows: Proper cap and chain shall be provided for the hose connection valve assembly. Hose connection valve assembly shall comply with the provisions in Section 903.3.6. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-104; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2980)*

**675 IAC 22-2.3-105 Section 905.4; location of Class I standpipe connections**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 105. Change Section 905.4 Location of Class I standpipe hose connections as follows:

(1) Delete item 1 and substitute as follows: 1. In every required stairway, a hose connection shall be provided for each floor level above or below grade. Hose connections shall be located at an intermediate floor level landing between floors. Where there are multiple intermediate floor landings between floors, hose connections shall be located at the landing closest to being midway between floors. If intermediate floor level landings are not provided in the required stairway, the hose connection shall be located on the floor-level landing.

(2) Delete item 6 and substitute as follows: 6. Where the most remote portion of a nonsprinklered floor or story is more than one hundred fifty (150) feet from a hose connection or the most remote portion of a sprinklered floor or story is two hundred (200) feet from a hose connection, additional hose connections shall be provided in exit passageways which are 1-hour rated.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-105; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2981)*

**675 IAC 22-2.3-106 Section 905.8; dry standpipes**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 106. Change Section 905.8 Dry standpipes to read as follows: In buildings requiring standpipes, dry standpipes complying with NFPA 14 (675 13-1-8) are permitted when the building or structure is unheated and the standpipe is subject to freezing temperatures. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-106; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2981)*

**675 IAC 22-2.3-107 Section 906.1; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 107. Delete Section 906.1 and substitute to read as follows: Portable fire extinguishers shall be installed where required by TABLE 906.1 and where required by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-107; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2981)*

**675 IAC 22-2.3-108 Section 907.1.1; construction documents**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 108. Delete the text of Section 907.1.1 Construction documents and substitute to read as follows: See the General Administrative Rules (675 IAC 12-6). *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-108; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2981)*

**675 IAC 22-2.3-109 Section 907.2.1.1; system initiation in Group A occupancies with an occupant load of 1,000 or more**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 109. Delete the exception to Section 907.2.1.1 System initiation in Group A occupancies with an occupant load of 1,000 or more. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-109; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2981)*

**675 IAC 22-2.3-110 Section 907.2.3; Group E**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 110. Change Section 907.2.3 Group E as follows:

(1) Delete EXCEPTION 2.3 and substitute to read as follows: 2.3 Shops and laboratories involving dust or vapors are protected by heat detectors or other listed detection devices.

(2) Delete in EXCEPTION 2.6, “, except in locations specifically designated by the building official”.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-110; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2981)*

**675 IAC 22-2.3-111 Section 907.2.10.1.1.1; R1 hotels and motels**

Authority: IC 22-13-2-2

Affected: IC 22-12-1-4; IC 22-12-1-5; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 111. Add Section 907.2.10.1.1.1 after Section 907.2.10.1.1 as follows: 907.2.10.1.1.1 R1 Hotels and Motels.

(1) This section only applies to hotels and motels.

(2) All hotels and motels must have functional smoke detectors and comply with this section and section 907.2.10.1.1.

(3) Except as provided in (6), a detector must be installed in all interior corridors adjacent to sleeping rooms and must be spaced no further apart than thirty (30) feet (nine and one hundred forty-four thousandths (9.144) meters) on center or more than fifteen (15) feet (four and five hundred seventy-two thousandths (4.572) meters) from any wall.

(4) The detectors must be hard wired into a building’s electrical system, except as provided in (6).

(5) The detectors must be wired in a manner that activates all the devices in a corridor when one is activated, except as provided in (6).

(6) All single level dwellings, all seasonably occupied dwellings, and all hotels and motels with twelve (12) sleeping rooms or less (and containing no interior corridors) are exempt from the requirements of (3), (4), and (5). In such units:

(A) a detector must be installed in each sleeping room; and

(B) the detector may be battery operated, when allowed by section 907.2.10.2.

If a battery operated detector is installed, it must contain a tamper resistant cover to protect the batteries.

For the purpose of Section 907.2.10.1.1.1, the following definitions shall apply:

DWELLING means a residence with at least one (1) dwelling unit as set forth in IC 22-12-1-4(a)(1)(B) and IC 22-12-1-5(a)(1).

HOTELS AND MOTELS means buildings or structures kept, maintained, used, advertised, or held out to the public as inns or places where sleeping accommodations are furnished for hire for transient guests.

SEASONALLY OCCUPIED DWELLINGS means hotels and motels open to the public for occupancy by guests only during any period of time between April 15 and October 15 each year.

SINGLE LEVEL DWELLING means all single level (no more than one (1) level above ground) hotels and motels that have no interior corridors and whose individual rooms have exterior exits.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-111; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2981; errata filed May 11, 2004, 1:34 p.m.: 27 IR 3078)*

**675 IAC 22-2.3-112 Section 907.2.10.1.2; Groups R-2, R-3, R-4 and I-1**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 112. In Section 907.2.10.1.2, delete “and maintained”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-112; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2982)*

**675 IAC 22-2.3-113 Section 907.2.10.1.4; additions, alterations or repairs to Group R**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 113. Change the exception to Section 907.2.10.1.4 to read as follows: EXCEPTION: Repairs are exempt from the requirements of this section. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-113; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2982)*

**675 IAC 22-2.3-114 Section 907.2.15; special egress-control devices**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 114. Amend Section 907.2.15 by changing the test to read: When special egress-control devices or systems are installed, such devices or systems shall be maintained in accordance with the building code requirements for the original installation. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-114; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2982)*

**675 IAC 22-2.3-115 Section 907.3; where required-retroactive in existing buildings and structures**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 115. Delete in Section 907.3 Where required-retroactive in existing buildings and structures without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-115; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2982)*

**675 IAC 22-2.3-116 Section 907.4.5; protective covers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 116. Change Section 907.4.5 Protective Covers to read as follows: Listed manual fire alarm box protective covers may be installed when approved. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-116; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2982)*

**675 IAC 22-2.3-117 Section 907.8 Presignal system**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 117. Delete Section 907.8 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-117; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2982)*

**675 IAC 22-2.3-118 Section 907.9.1; zoning indicator panel**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 118. Change Section 907.9.1 Zoning indicator panel to read as follows: A zoning indicator panel and associated controls shall be provided in a location the servicing fire department will use as their main entrance point to the building. The panel shall be identifiable and accessible at all times. The visual zone indication shall lock in until the system is reset and shall not be canceled by the operation of an audible alarm-silencing switch. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-118; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2982)*

**675 IAC 22-2.3-119 Section 907.10.1.1; public and common area**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 119. Amend Section 907.1.1 by adding the word “areas” after the word “public”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-119; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2982)*

**675 IAC 22-2.3-120 Section 907.15; monitoring**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 120. Change Section 907.15 Monitoring to read as follows: Where required by this chapter or by local ordinance, an approved supervising station in accordance with NFPA 72 (675 IAC 22-2.2-17) shall monitor fire alarm systems. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-120; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983)*

**675 IAC 22-2.3-121 Section 907.16; automatic telephone-dialing devices**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 121. Change Section 907.16 Automatic telephone-dialing devices to read as follows: Automatic telephone-dialing devices used to transmit an emergency alarm shall not be connected to any fire department telephone number unless approved by the code official. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-121; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983)*

**675 IAC 22-2.3-122 Section 907.18; record of completion**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 122. Delete Section 907.18 Record of completion without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-122; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983)*

**675 IAC 22-2.3-123 Section 907.19; instructions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 123. Delete Section 907.19 Instructions without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-123; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983)*

**675 IAC 22-2.3-124 Section 907.20.1; maintenance record**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 124. Change Section 907.20.1 by deleting “applicable NFPA requirements or as directed by the code official” and substituting “the rules of the commission”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-124; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983)*

**675 IAC 22-2.3-125 Section 907.20.2; testing**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 125. In Section 907.20.2, delete all the text after “NFPA 72 (675 IAC 22-2.2-17)”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-125; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983)*

**675 IAC 22-2.3-126 Section 909.2; general design requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 126. Change Section 909.2 General design requirements to read as follows: Buildings, structures, or parts thereof required by this code to have a smoke control system or systems shall have such systems designed in accordance with the applicable requirements of Section 909 and the generally accepted and well-established principles of engineering relevant to the design. Construction documents shall be as required by the General Administrative Rules (675 IAC 12-6). *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-126; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983)*

**675 IAC 22-2.3-127 Section 909.3; special inspection and test requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 127. Delete Section 909.3 Special inspection and test requirements and substitute to read as follows: For inspections and testing, see the General Administrative Rules (675 IAC 12-6-6(c)(10)(d) [*sic.*, 675 IAC 12-6-6(c)(10)(D)]). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-127; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983*)

**675 IAC 22-2.3-128 Section 909.10.2; ducts**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 128. In the third sentence of Section 909.10.2 Ducts, delete “nationally” and substitute “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-128; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983*)

**675 IAC 22-2.3-129 Section 909.15; control diagrams**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 129. Change Section 909.15 Control diagrams to read as follows: Identical control diagrams showing all devices in the system and identifying their location and function shall be maintained current and kept on file with the building official, the servicing fire department, and in the fire command center in an approved manner and format. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-129; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2983*)

**675 IAC 22-2.3-130 Section 909.18.8 and Section 909.18.9; special inspections for smoke control and identification and documentation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 130. Delete Sections 909.18.8 Special inspections for smoke control and 909.18.9 Identification and documentation and substitute: See the General Administrative Rules (675 IAC 12-6-6(c)(10)(D)). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-130; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2984*)

**675 IAC 22-2.3-131 Section 909.19; system acceptance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 131. Delete the title and text of Section 909.19 System acceptance and substitute to read as follows: 909.19 Acceptance test. Smoke removal systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner’s representative. When requested by the servicing fire department and/or local building official, such tests shall be conducted in their presence. Prior to conducting such tests, the requesting official shall be given at least 48-hour notice. It shall be unlawful to occupy portions of the structure until the required smoke removal system within that portion of the structure has been completed, successfully tested, and fully operational with appropriate reports and other documentation provided to the servicing fire department and/or local building official. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-131; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2984*)

**675 IAC 22-2.3-132 Section 910.2.1; Groups F-1 and S-1**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 132. Add an exception to Section 910.2.1 Groups F-1 and S-1 to read as follows: EXCEPTION: Group S-1 Aircraft Hangers [*sic.*, *Hangars*]. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-132; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2984*)

**675 IAC 22-2.3-133 Section 910.3.1.2; sprinklered buildings**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 133. Delete Section 910.3.1.2 Sprinklered buildings and substitute to read as follows: Where installed in buildings equipped with an approved automatic sprinkler system, smoke and heat vents shall open by approved manual releases. The servicing fire department shall be consulted in determining location of such manual releases prior to the installation of the smoke and heat vents. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-133; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2984*)

**675 IAC 22-2.3-134 Section 910.3.4; curtain boards**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 134. Add an exception to the end of Section 910.3.4 Curtain boards to read as follows: EXCEPTION: Where areas of buildings are equipped with early suppression-fast response (ESFR) sprinklers, curtains boards shall not be provided within these areas. Curtains boards shall be provided at the separation between the ESFR sprinklers and the conventional sprinklers and in other areas as required by this section. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-134; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2984*)

**675 IAC 22-2.3-135 Section 910.4; mechanical smoke exhaust**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 135. Delete Section 910.4 and substitute to read as follows: In buildings protected throughout with an approved automatic sprinkler system, manually operated exhaust fans may be utilized for fire department mop-up operations. The exhaust rate shall be equal to one (1) cfm per square foot of floor area. The fans shall be wired ahead of the main building disconnect switch. Manual controls for the fans shall be provided individually for each fan unit. The servicing fire department shall be consulted in determining the location of the controls for the exhaust fans. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-135; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2984*)

**675 IAC 22-2.3-136 Section 1001.2; minimum requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 136. Delete Section 1001.2 Minimum requirements and substitute to read as follows: See the General Administrative Rules (675 IAC 12-4-12). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-136; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2984*)

**675 IAC 22-2.3-137 Section 1002; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 137. Add in Section 1002 the definition of ICC/ANSI A117.1 after the definition of HANDRAIL to read as follows: ICC A117.1. Chapter 11 of the Indiana Building Code (675 IAC 13). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-137; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2984*)

**675 IAC 22-2.3-138 Section 1003.2.2.4; increased occupant load**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 138. Delete Section 1003.2.2.4 Increased occupant load without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-138; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-139 Section 1003.2.13.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 139. Delete in Section 1003.2.13.1 General the words “one or more” and substitute the words “at least one”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-139; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-140 Section 1003.3.1.1; size of doors**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 140. Delete EXCEPTION 8 in Section 1003.3.1.1. Size of doors. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-140; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-141 Section 1003.3.1.4; floor elevation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 141. Change in Section 1003.3.1.4 Floor elevation EXCEPTION 4 to read as follows: 4. Exterior decks, patios, or balconies that are part of a dwelling unit regulated under part 2 of Chapter 11 of the Indiana Building Code (675 IAC 13) and have impervious surfaces, and that are not more than four (4) inches (one hundred two (102) mm) below the finished floor level of the adjacent interior space of the dwelling unit. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-141; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-142 Section 1003.3.1.7; door arrangement**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 142. Change in Section 1003.3.1.7 Door arrangement EXCEPTION 3 to read as follows: 3. Doors within individual dwelling units in Groups R-2 and R-3 as applicable in Section 1001.1. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-142; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-143 Section 1003.3.1.8; locks and latches**

Authority: IC 22-13-2-2

Affected: IC 22-11-17-2; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 143. Change Section 1003.3.1.8 Locks and latches as follows:

(1) In EXCEPTION 2. 3, delete 2.3 without substitution.

(2) Add EXCEPTION 5 to read as follows: 5. Licensed Health Care Facilities that comply with IC 22-11-17-2.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-143; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-144 Section 1003.3.1.8.2; delayed egress locks**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 144. Delete in Section 1003.3.1.8.2 Delayed egress locks the exception to item 4. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-144; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-145 Section 1003.3.3.3; stair treads**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 145. Change Section 1003.3.3.3 Stair treads and risers as follows:

(1) Delete EXCEPTION 5 and substitute to read as follows: 5. Within dwelling units in occupancies in Group R-3, as applicable in the Indiana Building Code (675 IAC 13), and within dwelling units in occupancies in Group R-2, as applicable in the Indiana Building Code (675 IAC 13), the maximum riser height shall be eight and one-fourth (8¼) inches (two hundred ten (210) mm), the minimum tread depth shall be nine (9) inches (two hundred twenty-nine (229) mm). A nosing not less than seventy-five hundredths (0.75) inch (nineteen and one-tenth (19.1) mm) but not more than one and twenty-five hundredths (1.25) inches (thirty-two (32) mm) shall be provided on stairways with solid risers where the tread is less than eleven (11) inches. In occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in the Indiana Building Code (675 IAC 13), the maximum riser height shall be seven and seventy-five hundredths (7.75) inches (one hundred ninety-seven (197) mm) and the minimum tread depth shall be ten (10) inches (two hundred fifty-four (254) mm) and the nosing requirements shall remain the same as above.

(2) Amend EXCEPTION 6 to read: The replacement of existing stairways shall be in accordance with the General Administrative Rules (675 IAC 12-9).

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-145; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-146 Section 1003.3.3.9; spiral stairways**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 146. Delete the exception in Section 1003.3.3.9 Spiral stairways. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-146; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2985*)

**675 IAC 22-2.3-147 Section 1003.3.3.11.3; handrail graspability**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 147. Add an Exception to the end of Section 1003.3.3.11.3 to read as follows: EXCEPTION: Within Group R-2 dwelling units, the handgrip portion of handrails shall have a circular cross section of one and one-fourth (1¼) inches (thirty-two (32) mm) minimum to two and seven-eighths (2⅞) inches (seventy-three (73) mm) maximum. Other handrail shapes that provide equivalent grasping surface are permissible. Edges shall have a minimum radius of one-eighth (⅛) inch (three and two-tenths (3.2) mm). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-147; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986*)

**675 IAC 22-2.3-148 Section 1008.10; seat stability**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 148. In Section 1008.10 Seat stability, delete the last sentence of EXCEPTION 4. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-148; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986*)

**675 IAC 22-2.3-149 Section 1009.6; exterior rescue access**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 149. Add Section 1009.6 Exterior rescue access to the end of Section 1009 to read as follows: 1009.6 Exterior Rescue Access. Exterior access for fire department use in performing rescue operations when emergency escape and rescue openings are required shall comply with Sections 1009.6.1 and 1009.6.2.

1009.6.1 The exterior grade adjacent to emergency escape and rescue openings shall not have a slope of more than two (2) inches in twelve (12) inches. The grade requirement shall extend from the structure to a point which will allow the placement of a fire department ground ladder to the sill of the emergency escape and rescue opening when such ladder is placed at a seventy-five (75) degree angle maximum from the horizontal plane.

1009.6.2 No obstructions such as wire, trees, shrubs, signs, cornices, overhangs, awnings, canopies, parking, or other features shall be permitted.

EXCEPTION: Canopies and similar types of building features may be used as a portion of the rescue access system, if the slope of the canopy does not exceed two (2) inches in twelve (12) inches, and access as required in Section 1009.6.1 is provided from the ground to the top edge of the canopy.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-149; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986)*

**675 IAC 22-2.3-150 Section 1101.3; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 150. Delete Section 1101.3 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-150; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986)*

**675 IAC 22-2.3-151 Section 1105.3; on welding apparatus**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 151. Amend Section 1105.3 by deleting "10-B:C" and inserting "20-B:C". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-151; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986)*

**675 IAC 22-2.3-152 Section 1106.3.3; dispensing hoses and nozzles**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 152. In the last sentence of Section 1106.3.3, delete "proper" and insert "approved". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-152; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986)*

**675 IAC 22-2.3-153 Section 1106.3.6; accessory equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 153. In Section 1106.3.6, delete "substantially". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-153; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986)*

**675 IAC 22-2.3-154 Section 1106.3.7.1; bonding cables**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 154. Change Section 1106.3.7.1 as follows:

(1) Delete “a substantial heavy-duty” and insert “an approved or listed”.

(2) Delete “a suitable” and insert “an approved or listed”.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-154; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986)*

**675 IAC 22-2.3-155 Section 1106.3.7.2; bonding cable protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 155. Delete the last sentence of Section 1106.3.7.2. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-155; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986)*

**675 IAC 22-2.3-156 Section 1106.5.2.3; funnels**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 156. In Section 1106.5.2.3, delete “where required”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-156; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2986)*

**675 IAC 22-2.3-157 Section 1106.6.4; testing**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 157. Change the last sentence of Section 1106.6.4 to read as follows: The fueling-system operator shall maintain a complete record of the last two (2) tests at all times, and the complete record be made available to the code official upon request. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-157; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987)*

**675 IAC 22-2.3-158 Section 1106.15.1; other areas**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 158. Delete Section 1106.15.1 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-158; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987)*

**675 IAC 22-2.3-159 Section 1106.19.2; damaged hose**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 159. Delete the last sentence of Section 1106.19.2 and substitute to read as follows: Hoses removed from service shall not be returned to service until repaired or rendered safe. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-159; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987)*

**675 IAC 22-2.3-160 Section 1201.2; permit required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 160. Delete Section 1201.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-160; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987)*

**675 IAC 22-2.3-161 Section 1204.2.1; ventilation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 161. Delete Section 1204.2.1 and substitute to read as follows: Ventilation shall be in accordance with the Indiana Mechanical Code (675 IAC 18). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-161; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987*)

**675 IAC 22-2.3-162 Section 1205.1.5; equipment maintenance and housekeeping**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 162. Change the first sentence of Section 1205.1.5 to read as follows: Equipment shall be maintained and operated in accordance with the manufacturer's instructions. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-162; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987*)

**675 IAC 22-2.3-163 Section 1206; spotting and pretreating**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 163. Amend Section 1206 Spotting and pretreating as follows:

(1) Add new section as follows: 1206.2 Type I solvents. The maximum quantity of Type I solvents permitted at any work station shall be one (1) gallon (four (4) L). Class I solvents shall be stored in approved safety cans or in sealed DOT-N approved metal shipping containers of not more than one (1) gallon (four (4) L) capacity. Dispensing shall be from approved cans.

(2) Amend Section 1206.2 as follows: 1206.3 Type II and III solvents. Scouring, brushing, and spotting and pretreating shall be conducted with Class II or III solvents. The maximum quantity of Type II or III solvents permitted at any work station shall be one (1) gallon (four (4) L). In other than a Group H-2 occupancy, the aggregate quantities of solvents shall not exceed the maximum allowable quantity per control area for use open.

(3) Renumber subsequent sections.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-163; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987*)

**675 IAC 22-2.3-164 Section 1301.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 164. Delete section 1301.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-164; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987*)

**675 IAC 22-2.3-165 Section 1414.1; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 165. Amend Section 1414.1 to read as follows: 1414.1 Where required. Structures under construction, alteration, or demolition shall be provided with not less than one (1) approved portable fire extinguishers in accordance with Section 905 and sized for not less than ordinary hazard as follows:

(1) At each stairway on all floor levels where combustible materials has accumulated.

(2) In every storage and construction shed.

(3) Additional portable fire extinguishers shall be provided where special hazards exist, such as the storage and use of flammable and combustible liquids.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-165; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2987)*

**675 IAC 22-2.3-166 Section 1416.3; fire extinguishers for roofing operations**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 166. In Section 1416.3, change the second sentence to read as follows: There shall be not less than one (1) multi-purpose portable fire extinguisher with a minimum 3-A 40-B:C rating on the roof being covered or repaired. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-166; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988)*

**675 IAC 22-2.3-167 Section 1501.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 167. Delete Section 1501.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-167; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988)*

**675 IAC 22-2.3-168 Section 1504.1.2.5; clear space**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 168. In EXCEPTIONS 1 and 2 of Section 1504.1.2.5, delete “adequately” without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-168; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988)*

**675 IAC 22-2.3-169 Section 1505.3.2; bottom drains**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 169. Add EXCEPTION 2 to Section 1505.3.2 to read as follows: EXCEPTION 2. Bottom drains shall not be required for tanks that are equipped with automatic closing covers in accordance with Section 1505.7. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-169; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988)*

**675 IAC 22-2.3-170 Section 1505.8.1; location**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 170. Delete Section 1505.8.1 and substitute to read as follows: Tanks shall be located an approved distance from furnaces and combustible floors and shall not be located on combustible floors. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-170; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988)*

**675 IAC 22-2.3-171 Section 1506.8 barriers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 171. In Section 1506.8, delete “adequately grounded” and insert “grounded in an approved manner”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-171; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988)*

**675 IAC 22-2.3-172 Section 1601.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 172. Delete Section 1601.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-172; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988*)

**675 IAC 22-2.3-173 Section 1701.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 173. Delete Section 1701.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-173; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988*)

**675 IAC 22-2.3-174 Section 1703.3.1; warning signs**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 174. In the first sentence of Section 1703.3.1, delete the text after “premises”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-174; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988*)

**675 IAC 22-2.3-175 Section 1801.5; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 175. Delete Section 1801.5 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-175; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988*)

**675 IAC 22-2.3-176 Section 1803.14.1; where required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 176. Delete the second sentence of Section 1803.14.1, item 1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-176; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988*)

**675 IAC 22-2.3-177 Table 1804.2.1; quantity limits for hazardous materials in a single fabrication area in group h-5<sup>a</sup>**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 177. Amend TABLE 1804.2.1 footnote (d) by deleting “Tables 2703.1.1(1) and 2704.14” and inserting “Table 2704.14”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-177; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988*)

**675 IAC 22-2.3-178 Table 1805.2.1; maximum quantities of hpm at a workstation<sup>e</sup>**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 178. Amend TABLE 1805.2.1 as follows:

(1) In the MAXIMUM QUANTITY column, make the following changes:

(A) For “Corrosive Liquid”, change to read “Use-open System 25 gallons<sup>af</sup>”.

(B) For “Corrosive solid”, change to read “Use-closed System 150 gallons<sup>acfb</sup>”.

(2) Add a sentence to footnote “c” to read as follows: When Note f also applies, the maximum increase allowed for both Notes c and f shall not exceed 100 percent.

(3) Add footnote “f” to read: f. Quantities shall be allowed to be increased 100 percent for nonflammable, noncombustible corrosive liquids when the materials of construction for workstations are listed or approved for use without internal fire

extinguishing or suppression system protection. When Note c also applies, the maximum increase allowed for both Notes c and f shall not exceed 100 percent.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-178; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2988)*

**675 IAC 22-2.3-179 Section 1805.3.4.3; powered carts and trucks**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 179. In Section 1805.3.4.3, delete all text after “intended”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-179; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989)*

**675 IAC 22-2.3-180 Section 1901.2; permit**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 180. Delete Section 1901.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-180; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989)*

**675 IAC 22-2.3-181 Section 1903.5.2; static electricity and lightning protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 181. (a) Change the title of Section 1903.5.2 to read “Static electricity protection”.

(b) Delete the last sentence of Section 1903.5.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-181; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989)*

**675 IAC 22-2.3-182 Section 1903.7; access plan**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 182. In Section 1903.7, delete all text after “submitted” and insert “to the code official”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-182; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989)*

**675 IAC 22-2.3-183 Section 1906.2; cold decks**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 183. Delete the exception in Section 1906.2. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-183; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989)*

**675 IAC 22-2.3-184 Section 1907.2; size of piles**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 184. Delete the exception in Section 1907.2. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-184; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989)*

**675 IAC 22-2.3-185 Section 1908.3; size of piles**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 185. Delete the exception in Section 1908.3. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-185; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989*)

**675 IAC 22-2.3-186 Section 1908.8; fire extinguishers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 186. In Section 1908.8, delete “2-A:60 B:C” and insert “4-A:60B:C”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-186; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989*)

**675 IAC 22-2.3-187 Section 2001.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 187. Delete Section 2001.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-187; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989*)

**675 IAC 22-2.3-188 Section 2006.5; kettle controls**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 188. Delete the last two (2) sentences of Section 2006.5 and substitute as follows: The thin-down tank shall have an approved vent. Thinning operations shall be provided with an approved vapor removal system. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-188; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989*)

**675 IAC 22-2.3-189 Section 2007.3; support**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 189. In the first sentence of Section 2007.3, delete “adequately” and insert after “physical damage”, “in an approved manner”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-189; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2989*)

**675 IAC 22-2.3-190 Section 2101.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 190. Delete Section 2101.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-190; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990*)

**675 IAC 22-2.3-191 Section 2103.2; exposure**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 191. Delete Section 2103.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-191; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990*)

**675 IAC 22-2.3-192 Chapter 22; service stations and repair garages**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 192. Change the title of Chapter 22 to read: MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-192; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990)*

**675 IAC 22-2.3-193 Section 2201.1; scope**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 193. Amend Section 2201.1 to read:

2202.1 Scope. Automotive motor fuel dispensing facilities, marine motor fuel dispensing facilities, fleet vehicle motor fuel dispensing facilities, and repair garages shall be in accordance with this chapter and the Indiana Fuel Gas Code (675 IAC 25), Indiana Building Code (675 IAC 13) and the Indiana Mechanical Code (675 IAC 18). Such operations shall include both public accessible and private operations.

When the term “service stations” is used, it shall mean “motor fuel dispensing facilities”.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-193; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990)*

**675 IAC 22-2.3-194 Section 2201.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 194. Delete Section 2201.2 *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-194; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990)*

**675 IAC 22-2.3-195 Section 2201.3; construction documents**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 195. Change Section 2201.3 to read as follows: Plans and specifications shall be submitted in accordance with the General Administrative Rules (675 IAC 12-6). *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-195; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990)*

**675 IAC 22-2.3-196 Section 2202.1; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 196. In Section 2202.1, amend the following definitions to read as follows:

AUTOMOTIVE SERVICE STATION to read: AUTOMOTIVE FUEL DISPENSING FACILITY. That portion of property where flammable or combustible liquids or gases used as motor fuels are stored and dispensed from fixed equipment into the fuel tanks of motor vehicles or approved containers.

FLEET VEHICLE SERVICE STATION to read: FLEET VEHICLE FUEL DISPENSING FACILITY. That portion of a commercial, industrial, governmental, or manufacturing property where liquids used as fuels are stored and dispensed into fuel tanks of motor vehicles that are used in connection with such businesses, by persons within the employ of such businesses, or a commercial customer of such businesses.

MARINE SERVICE STATION to read: MARINE FUEL DISPENSING FACILITY.

SELF-SERVICE STATION to read: SELF-SERVICE FUEL DISPENSING FACILITY. That portion of a service station where liquid motor fuels are dispensed from fixed approved dispensing equipment into fuel tanks of motor vehicles or approved containers by persons other than a service station attendant.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-196; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990)*

**675 IAC 22-2.3-197 Section 2204.3.2; dispensers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 197. Change Section 2204.3.2 Dispensers to read as follows: Dispensing devices shall comply with Section 2206.7. Dispensing devices operated by the insertion of coins or currency may be used provided change or credit can be issued. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-197; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990)*

**675 IAC 22-2.3-198 Section 2204.3.7; quantity limits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 198. Change Section 2204.3.7 Quantity limits to read as follows: Dispensing equipment used at unsupervised locations shall comply with one (1) of the following:

(1) Dispensing devices for Class I fuel shall be programmed or set to limit uninterrupted fuel delivery to twenty-five (25) gallons (ninety-five (95) L) and require a manual action to resume delivery; or

(2) The amount of fuel being dispensed shall be limited in quantity by a preprogrammed card.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-198; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2990)*

**675 IAC 22-2.3-199 Section 2204.4; dispensing into portable containers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 199. Amend Section 2204.4 to read as follows: 2204.4 Dispensing into portable containers. The dispensing of flammable or combustible liquids into portable approved containers shall comply with Section 2204.4.1 through Section 2204.4.3. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-199; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-200 Section 2205.1.1; delivery vehicle location**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 200. Delete Section 2205.1.1 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-200; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-201 Section 2205.1.2; tank capacity calculation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 201. Change Section 2205.1.2 to read as follows: 2205.1.1 Tank capacity calculation. The driver, operator, or attendant of a tank vehicle shall, before making delivery to a tank, determine the unfilled, available capacity of such tank by a gauging device. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-201; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-202 Section 2205.1.3; tank fill connections**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 202. Change Section 2205.1.3 to read as follows: 2205.1.2 Tank fill connections. Delivery of flammable liquids to tanks more than one thousand one hundred (1,100) gallons in capacity shall be made by means of approved liquid- and vapor-tight connections between the delivery hose and tank fill pipe. Where tanks are equipped with any type of vapor recovery system, all connections required to be made for the safe and proper functioning of the particular vapor recovery process shall be made. Such

connections shall be made liquid and vapor tight and remain connected throughout the unloading process. Vapors shall not be discharged at grade level during delivery. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-202; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-203 Section 2205.2.2; emergency shut-off valves**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 203. Change Section 2205.2.2 to read as follows: Automatic closing emergency shut-off valves required by Section 2206.7.4 shall be maintained in accordance with the manufacturer's instructions. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-203; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-204 Section 2206.2; method of storage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 204. In Section 2206.2, delete "motor". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-204; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-205 Section 2206.2.1; underground tanks**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 205. In Section 2206.2.1, delete "motor". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-205; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-206 Section 2206.2.1.1; inventory control for underground tanks**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 206. Change Section 2206.2.1.1 Inventory control for underground tanks to read as follows: Accurate daily inventory records shall be maintained and reconciled on underground fuel storage tanks for indication of possible leakage from tanks and piping. The records shall be kept at the premises or readily available for inspection by the code official upon written request and shall include records for each product showing daily reconciliation between sales, use, receipts, and inventory on hand. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-206; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-207 Section 2206.2.2 aboveground tanks located inside buildings**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 207. In Section 2206.2.2, delete "motor". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-207; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2991)*

**675 IAC 22-2.3-208 Table 2206.2.3; minimum separation requirements for aboveground tanks**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 208. Change TABLE 2206.2.3 as follows:

(1) Add a listing to TABLE 2206.2.3 as follows:

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Tank Type	Capacity	Nearest Building	Nearest Dispenser	Lot Line	Public Way	Between Tanks
Class III Liquids ASTs	Equal or less than 1,100	5	0 <sup>b</sup>	10	10	5

(2) Add Footnote<sup>b</sup> to read: <sup>b</sup> Class III Fuel Dispensers.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-208; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2992)*

**675 IAC 22-2.3-209 Section 2206.2.3; aboveground tanks located outside, above grade**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 209. Change Section 2206.2.3 as follows: 2206.2.3 Aboveground tanks located outside, above grade. Aboveground tanks shall not be used for the storage and dispensing of Class I, II, or IIIA liquid motor fuels except as provided by this section.

(1) Class I, II, or III-A liquids shall not be dispensed into the fuel tank of a motor vehicle from aboveground tanks at retail automotive service or self-service stations.

(2) Class I and II liquids shall not be dispensed into the fuel tanks of a motor vehicle from aboveground tanks at fleet vehicle service station except when such tanks are installed in accordance with the following:

**1. INSTALLATION OF TANKS**

Tanks shall be installed in accordance with Chapter 34 and shall be installed in special enclosures constructed in accordance with Section 2206.2.4 or in listed and approved tank enclosures or materials providing fire protection of not less than two (2) hours. The following additional criteria shall apply:

(a) Guard posts or other means shall be provided to protect the area where tanks are installed. The design shall be in accordance with Section 312,

(b) Each tank and each special enclosure shall be surrounded by a clear space of not less than three (3) feet to allow for maintenance and inspection,

(c) Warning signs and identification signs shall be installed to clearly identify hazards. The design shall be in accordance with Sections 2205.6, 2209.5.7, and 3404.2.3. Conspicuous signs prohibiting simultaneous tank filling and fuel dispensing shall be posted,

(d) Tanks containing motor fuels shall not exceed a ten thousand (10,000) gallon individual or eighteen thousand (18,000) gallon aggregate capacity. Installations having the maximum allowable aggregate capacity shall be separated from other such installations by not less than one hundred (100) feet, and

(e) Tanks shall be provided with automatic fuel shut-off devices capable of stopping the delivery of fuel when the level in the tank reaches ninety percent (90%) of tank capacity.

EXCEPTIONS: 1. Aboveground storage tanks for motor vehicle fuel-dispensing stations legally installed according to the code in effect at the time of installation and in operation prior to September 7, 1992.

2. Single tank installations where the fuel tank has a capacity of one thousand one hundred (1,100) gallons or less that are in compliance with Chapter 34 of this code.

3. Diesel tanks and dispensing operations when all the following criteria are met:

A. The distance in feet from any property line when not adjacent to a public way shall be double the distance specified in Table 2206.2.3.

B. The distance in feet from a property line adjacent to a public way, to include the opposite sides of a public way, shall be double the distance specified in Table 2206.2.3.

C. The distance in feet from adjacent structures shall be double the distance specified in Table 2206.2.3.

D. In compliance with Chapter 34 of this code.

E. The diesel tank shall be double the distance specified in Table 2206.2.3 for the property line including the opposite side of the public way from any nondiesel fuel tank or dispensing operation.

**2. INSTALLATION OF DISPENSING SYSTEMS**

Dispensing systems shall be installed in accordance with Chapters 22 and 34 except as follows:

(a) Motor fuels shall be transferred from tanks by means of fixed pumps which are designed and equipped to allow control of the flow and to prevent leakage or accidental discharge,

(b) Tank and tank enclosure openings shall be through the top only. Approved antisiphon devices shall be installed at

each connection of piping to a tank when such piping extends below the level of the top of such tank, and  
(c) Dispensing devices are allowed to be installed on top of special enclosures.

3. PLANS

Plans submitted under 675 IAC 12-6, Design Releases, shall include the method of storage and dispensing, quantities and types of liquids to be stored, distances from tanks and dispensers to property lines and buildings, vehicle access, fire appliances, collision barriers, design and construction of tanks and tank supports, secondary containment tank venting, vapor recovery provisions, and emergency controls.

4. MAINTENANCE

Tanks, special enclosures, and dispensing systems shall be maintained in proper condition. Damage shall be repaired immediately using materials having equal or greater strength and fire resistance.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-209; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2992)*

**675 IAC 22-2.3-210 Section 2206.2.3.1; storage tanks at bulk plants**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 210. Add Section 2206.2.3.1 as follows: 2206.2.3.1 Storage Tanks at Bulk Plants. Aboveground tanks serving as bulk storage tanks shall not be used for fueling operations. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-210; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-211 Section 2206.5; secondary containment**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 211. Change Section 2206.5 as follows:

(1) In the first paragraph, change "Chapter 34" to "Section 3404.2.10".

(2) Add an exception to read as follows: EXCEPTION: Approved aboveground tanks with a capacity of five hundred (500) gallons or less, utilized solely for the storage of used motor oil, and in compliance with EPA 40 CFR 279.22 and EPA 40 CFR 264.175 are exempt from the requirements of Section 3404.2.10.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-211; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-212 Section 2206.6.2.6; spill containers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 212. Change section 2206.6.2.6 to read as follows: A spill container having a capacity of not less than five (5) gallons (nineteen (19) L) shall be provided for liquid and vapor-tight fill connections. For tanks with a top fill connection, spill containers shall be noncombustible and shall be fixed to the tank and equipped with a manual drain valve that drains into the primary tank. For tanks with a remote fill connection, a portable spill container is allowed. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-212; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-213 Section 2206.7.4; dispenser emergency valve**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 213. Change the last sentence of Section 2206.7.4 to read as follows: Emergency shut-off valves shall be installed and maintained in accordance with the manufacturer's instructions and tested at the time of initial installation. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-213; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-214 Section 2206.7.6.1; special requirements for nozzles**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 214. Change Section 2206.7.6.1 as follows: Delete Item 2 entirely and renumber Items 3 and 4 accordingly. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-214; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-215 Section 2206.7.9.1.3; piping**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 215. Change the last sentence of Section 2206.7.9.1.3 to read as follows: Condensate tanks shall be designed and installed in accordance with the manufacturer's recommendation. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-215; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-216 Section 2301.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 216. Delete Section 2301.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-216; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-217 Section 2301.3; construction documents**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 217. Amend Section 2301.3 by deleting the first three (3) sentences and substitute to read as follows: Plans including the information specified in Section 2301.3 shall be provided to the fire department having jurisdiction. A copy of the plans shall be maintained on the premises. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-217; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-218 Section 2301.4; evacuation plan**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 218. Delete Section 2301.4 and substitute to read as follows: An evacuation plan for public accessible areas and a separate set of plans indicating location and width of aisles, location of exits and exit signs, height of storage, and locations of hazardous materials shall be provided to the fire department having jurisdiction for review. Following review of the plans, a copy of the plans shall be maintained on the premises in an approved location. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-218; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2993)*

**675 IAC 22-2.3-219 Section 2304.2; designation based on engineering analysis**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 219. In Section 2304.2, delete "NFPA 231 and NFPA 231C" and insert "NFPA 13 (675 IAC 13-1-8)". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-219; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994)*

**675 IAC 22-2.3-220 Table 2306.2; general fire protection and life safety requirements**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 220. Change TABLE 2306.2 by deleting “when required by the code official” from Footnote [*sic.*, Footnotes] d and g. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-220; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-221 Section 2306.6.1; access doors**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 221. In Section 2306.6.1, add to the last sentence “and shall have landings in accordance with the Indiana Building Code (675 IAC 13) Section 1003.3.1.4.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-221; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-222 Section 2306.6.1.1; number of doors required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 222. Add exception to Section 2306.6.1.1 to read: In buildings having ESFR sprinkler systems, a minimum of one (1) access door shall be provided in each two hundred (200) lineal feet (sixty thousand nine hundred sixty (60,960) mm), or fraction thereof, of the exterior walls which face the required fire apparatus access road. Spacing between doors shall not exceed two hundred (200) lineal feet. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-222; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-223 Section 2306.9; aisles**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 223. In Section 2306.9, delete “NFPA 231, NFPA 231C” and insert “NFPA 13 (675 IAC 13-1-8)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-223; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-224 Section 2307.2.1; shelf storage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 224. In Section 2307.2.1, delete “NFPA 231” and insert “NFPA 13 (675 IAC 13-1-8)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-224; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-225 Section 2308.2.2(2), Section 2308.2.2.1; racks with solid shelving and fire protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 225. In Section 2308.2.2(2) and Section 2308.2.2.1, delete “NFPA 231C” and insert “NFPA 13 (675 IAC 13-1-8)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-225; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-226 Section 2308.4; column protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 226. In Section 2308.4, delete “NFPA 231C” and insert “NFPA 13 (675 IAC 13-1-8)”. (*Fire Prevention and Building*

*Safety Commission; 675 IAC 22-2.3-226; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994)*

**675 IAC 22-2.3-227 Section 2310.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 227. In Section 2310.1, delete "NFPA 231C" and insert "NFPA 13 (675 IAC 13-1-8)". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-227; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-228 Section 2401.2; approval required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 228. Delete Section 2401.2. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-228; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-229 Section 2401.4; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 229. Delete Section 2401.4. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-229; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-230 Section 2401.5; use period**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 230. In Section 2401.5, delete "180" and insert "30". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-230; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2994*)

**675 IAC 22-2.3-231 Section 2401.6; construction documents**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 231. In Section 2401.6, delete "with each application for approval" and substitute "to the fire department having jurisdiction". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-231; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995*)

**675 IAC 22-2.3-232 Section 2401.7.1; inspection report**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 232. Delete Section 2401.7.1 in its entirety and substitute to read as follows: An inspection report shall be made available to the fire department having jurisdiction and shall consist of maintenance, anchors, and fabric inspections. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-232; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995*)

**675 IAC 22-2.3-233 Section 2406.1; flame-resistant treatment**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 233. In Section 2406.1, change as follows:

- (1) Delete “before a permit is granted”.
- (2) Delete “by the permit”.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-233; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995)*

**675 IAC 22-2.3-234 Section 2407.2; fire protection equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 234. Delete Section 2407.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-234; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995)*

**675 IAC 22-2.3-235 Section 2410.5.1; arrangement and maintenance**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 235. Delete the text of Section 2410.5.1 and substitute to read as follows: A plan indicating the exit ways, aisles, and seating shall be provided to the fire department having jurisdiction, and a copy shall be maintained on the premises. Aisles shall be maintained clear at all times during occupancy. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-235; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995)*

**675 IAC 22-2.3-236 Section 2411.1; installation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 236. In Section 2411.1, delete “and shall be approved by the code official” and substitute “in effect at the time the equipment is installed”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-236; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995)*

**675 IAC 22-2.3-237 Section 2411.2; venting**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 237. Change Section 2411.2 as follows:

(1) At the end of the first sentence, add “, in effect at the time the equipment is installed”.

(2) Delete “when required” from the second sentence and substitute “having openings not exceeding one-fourth (¼) inch (six and four-tenths (6.4) mm) wire mesh.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-237; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995)*

**675 IAC 22-2.3-238 Section 2501.2; permit required**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 238. Delete Section 2501.2. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-238; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995)*

**675 IAC 22-2.3-239 Section 2504.5; fire safety plan**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 239. In the first sentence of Section 2504.5, delete “and approval”. *(Fire Prevention and Building Safety Commission;*

675 IAC 22-2.3-239; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995)

**675 IAC 22-2.3-240 Section 2601.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 240. Delete Section 2601.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-240; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995*)

**675 IAC 22-2.3-241 Section 2601.3; restricted area**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 241. Change Section 2601.3 as follows:

(1) Delete “unless approval has been obtained from the code official”.

(2) Delete “4” and “5” without substitution.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-241; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2995*)

**675 IAC 22-2.3-242 Section 2602.1; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 242. In Definitions, Section 2602.1, change the definition of HOTWORKS PERMITS by deleting “and prepermitted by the code official”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-242; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-243 Section 2604.1.8; sprinkler protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 243. Change the last sentence of Section 2604.1.8 to read: The code official shall be notified where the sprinkler protection is impaired. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-243; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-244 Section 2604.1.9; fire detection systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 244. In Section 2604.1.9, delete “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-244; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-245 Section 2701.1; scope**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 245. In Section 2701.1 Scope, add EXCEPTION 10 to read as follows: 10. Laboratory use of hazardous chemicals provided a Chemical Hygiene Plan as defined in Section 2702 of the code has been implemented at the facility. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-245; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-246 Section 2701.2.1; mixtures**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 246. In Section 2701.2.1, delete everything after “reference standards;” and substitute “by a recognized organization, or material safety data sheet (MSDS)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-246; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-247 Section 2701.4; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 247. Delete Section 2701.4 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-247; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-248 Section 2701.4.1; hazardous materials management plan**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 248. Change Section 2701.4.1 to read as follows:

Hazardous materials management plan. Regulation by the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq. constitutes compliance with Section 2701.4.1.

For hazardous materials used, stored, dispensed, or handled in excess of quantities listed in TABLES 2703.1.1, an owner or operator of a facility not regulated by the Federal Emergency Planning and Community Right to Know Act shall notify the servicing fire department in writing and shall, when asked, allow the fire department to conduct an on-site health hazardous materials inspection of the facility and to provide the fire department specific location information on those hazardous materials.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-248; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-249 Section 2701.4.2; hazardous materials inventory statement**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 249. Change Section 2701.4.2 to read as follows:

Hazardous materials management plan. This section does not apply to facilities regulated under the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq.

For hazardous materials used, stored, dispensed, or handled in excess of the quantities listed in TABLES 2703.1.1, an owner or operator of a facility not regulated by the Federal Emergency Planning and Community Right to Know Act shall notify the servicing fire department in writing and shall, when asked, allow the fire department to conduct on on-site health hazardous materials inspection of the facility and provide to the fire department specific location information on those hazardous materials.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-249; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-250 Section 2701.5.1; temporarily out of service facilities**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 250. In Section 2701.5.1, delete “maintain a permit and”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-250; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996*)

**675 IAC 22-2.3-251 Section 2701.5.2; permanently out-of-service facilities**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 251. In Section 2701.5.2, change the following:

- (1) Delete “permit” and substitute “hazardous materials management plan”.
- (2) Delete “an approved manner” and substitute “accordance with Section 2701.5.3”.
- (3) Delete the second and third sentences.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-251; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2996)*

**675 IAC 22-2.3-252 Section 2701.5.3; facility closure plan**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 252. Change Section 2701.5.3 to read as follows: Facility closure plan. The owner or operator shall submit a plan to the servicing fire department to terminate storage, dispensing, handling, or use of hazardous materials at least thirty (30) days prior to facility closure. The plan shall demonstrate that hazardous materials which were stored, dispensed, handled, or used in the facility have been transported, disposed of, or reused in a manner that eliminates the need for further maintenance and any threat to public health and safety. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-252; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2997)*

**675 IAC 22-2.3-253 Section 2702.1; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 253. Add the following definitions to Section 2702.1:

CHEMICAL HYGIENE PLAN means a written program developed and implemented at the facility which sets forth procedures, equipment, personal protective equipment, and work practices that are capable of protecting individuals from the health hazards and other hazards presented by hazardous chemicals used at that particular facility.

LABORATORY means a facility where the “laboratory use of hazardous chemicals” occurs. It is a facility where relatively small quantities of hazardous chemicals are used on a nonproduction basis.

LABORATORY SCALE means work with substances in which the containers used for reactions, transfers, and other handling of substances are manipulated by one (1) person. “Laboratory scale” excludes those facilities whose function is to produce commercial quantities of materials.

LABORATORY USE OF HAZARDOUS CHEMICALS means handling or use of such chemicals in which all of the following conditions are met:

- (1) chemical manipulations are carried out on a “laboratory scale”;
- (2) multiple chemical procedures or chemicals are used;
- (3) the procedures involved are not part of a production process; and
- (4) laboratory practices and equipment are available and in common use to minimize the potential for employee exposure and to other risks from hazardous chemicals.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-253; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2997)*

**675 IAC 22-2.3-254 Section 2703.2.6.1.1; return to service**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 254. In Section 2703.2.6.1.1, delete “be tested in an approved manner” and substitute “not be defective and shall be compatible with the liquid to be stored”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-254; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2997)*

**675 IAC 22-2.3-255 Section 2703.3; release of hazardous materials**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 255. Change Section 2703.3 to read as follows: Hazardous substances shall not be intentionally released that create a risk of a fire or explosion into a sewer, storm drain, ditch, drainage canal, lake, river, tidal waterway, upon the ground, sidewalk, street, highway, or into the atmosphere.

EXCEPTIONS: 1. Unless release is not prohibited by local, state or federal law; or

2. Release is of a material or quantity that is unregulated.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-255; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2997)*

**675 IAC 22-2.3-256 Section 2703.3.1; unauthorized discharge**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 256. Change Section 2703.3.1 to read as follows: Any unplanned sudden or nonsudden release into the environment of a listed hazardous substance that exceeds in any 24-hour period the reportable quantity for that substance, as identified in TABLE 302.4 of 40 CFR 302 and 40 CFR 355 Appendix A (July 1, 1997), and either causes a fire and/or explosion *[sic.]* hazard, such as one that threatens contiguous property or the general public or causes an injury requiring emergency medical treatment, must be immediately reported to the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-256; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2997)*

**675 IAC 22-2.3-257 Section 2703.3.1.1; records**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 257. Change Section 2703.3.1.1 to read as follows: Records shall be provided of the unauthorized discharge of hazardous materials by the owner or the operator. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-257; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2997)*

**675 IAC 22-2.3-258 Section 2703.3.1.4; responsibility for cleanup**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 258. Change the title and text of Section 2703.3.1.4 to read as follows: 2703.1.4 Responsibility for control and mitigation. The person, firm, or corporation responsible for an unplanned sudden or nonsudden release shall institute and complete all actions necessary to remedy the effects of such unplanned release at no cost to the servicing fire department. Control and mitigation may be initiated by the fire department or by an authorized individual or firm. Cost associated with such control or mitigation shall be borne by the owner, operator, or other person responsible for the release. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-258; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998)*

**675 IAC 22-2.3-259 Section 2703.4; material safety data sheets**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 259. Delete Section 2703.4 and substitute to read as follows: 2703.4 Material Safety Data Sheets (MSDS) for applicable hazardous materials shall be kept in a location which is acceptable to both the facility operator and the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-259; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998)*

**675 IAC 22-2.3-260 Section 2703.9.9; shelf storage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 260. Change Section 2703.9.9 to read as follows: 2703.9.9 Shelf storage. Shelving shall be of substantial construction, adequately braced, and anchored. For seismic requirements and the seismic zone in which the material is located, see the building code. Shelf storage of hazardous materials shall be maintained in an orderly manner. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-260; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998)*

**675 IAC 22-2.3-261 Table E 2703.11.1; maximum allowable quantity per indoor and outdoor control area in Groups M and S occupancies, nonflammable solids, nonflammable and noncombustible liquids**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 261. Amend Table 2703.11.1 as follows:

(1) Change the "Solids (pounds)" column to read "Solids pounds".

(2) Change the "Liquids gallons (pounds)" column to read "Liquid gallons".

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-261; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998)*

**675 IAC 22-2.3-262 Section 2704.10; supervision**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 262. In Section 2704.10 Supervision, add an exception to read: EXCEPTION: A facility that is provided with a watchman service and is provided with an audible fire alarm system that can be heard by the watchman in all areas of the facility. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-262; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998)*

**675 IAC 22-2.3-263 Section 2801.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 263. Delete Section 2801.2 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-263; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998)*

**675 IAC 22-2.3-264 Section 2801.3; material safety data sheets**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 264. In Section 2801.3, delete "at an approved location". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-264; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998)*

**675 IAC 22-2.3-265 Section 2901.1; scope**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 265. Amend Section 2901.1 Scope by deleting the second sentence. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-265; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998)*

**675 IAC 22-2.3-266 Section 2901.3; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 266. Delete Section 2901.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-266; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998*)

**675 IAC 22-2.3-267 Section 2902.1; definition**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 267. Amend Section 2902.1, by adding “, certain synthetic fibers” after “wastepaper” in the definition of COMBUSTIBLE FIBERS. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-267; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2998*)

**675 IAC 22-2.3-268 Section 2903.4; agricultural products**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 268. Change Section 2903.4 to read as follows: 2903.4 Agricultural products and combustible fibers. Combustible fibers, hay, straw, or similar agricultural products shall not be stored adjacent to structures or combustible materials unless a clear horizontal distance equal to the height of a pile is maintained between such storage and structures or combustible materials. Storage shall be limited to stacks of one hundred (100) tons (ninety-one (91) metric tons) each. Stacks shall be separated by a minimum of twenty (20) feet (six thousand ninety-six (6,096) mm) of clear space. Exterior storage of agricultural products and combustible fibers shall be surrounded with an approved fence. Fences shall be a minimum of six (6) feet (one thousand eight hundred twenty-nine (1,829) mm) in height. Quantities of hay, straw, and other agricultural products shall not be limited or fencing required when stored in or near farm structures located outside closely built areas. A permit shall not be required for agricultural storage. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-268; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-269 Section 2904.3; storage of 100 cubic feet to 500 cubic feet**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 269. In Section 2904.3, change “approved” to “listed”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-269; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-270 Section 2904.4; storage of more than 500 cubic feet**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 270. In Section 2904.4, change “approved” to “listed”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-270; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-271 Section 2905.1; bale size and separation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 271. Add a sentence to the end of Section 2905.1 to read as follows: Automatic sprinkler protection shall be provided for interior storage of quantities exceeding one thousand (1,000) cubic feet. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-271; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-272 Section 3001.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 272. Delete Section 3001.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-272; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-273 Section 3003.3.1; security of areas**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 273. In Section 3003.3.1, delete “in an approved manner”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-273; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-274 Section 3003.13; lighting**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 274. In Section 3003.13, delete “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-274; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-274.2 Section 3006.2; interior supply location**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 274.2. In Section 3006.2, delete the words “the permit amount” and substitute “(five hundred four (504) cubic feet)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-274.2; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-275 Section 3101.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 275. Delete Section 3101.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-275; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-276 Section 3102.1; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 276. In Section 3102.1, in the definition [*sic.*] of CORROSIVE, delete “, Part 173” and insert “173.137”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-276; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-277 Section 3201.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 277. Delete Section 3201.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-277; filed Apr 17, 2003, 5:00 p.m.: 26 IR 2999*)

**675 IAC 22-2.3-278 Section 3202.1; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 278. In Section 3202.1, in the definition of CRYOGENIC FLUID, delete “liquid” and insert “fluid”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-278; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3000*)

**675 IAC 22-2.3-279 Section 3203.1.1; nonstandard containers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 279. In Section 3203.1.1, delete item 6. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-279; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3000*)

**675 IAC 22-2.3-280 Section 3203.11; lighting**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 280. In Section 3203.11, delete “when required,”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-280; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3000*)

**675 IAC 22-2.3-281 Section 3204.3.1.3; drainage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 281. In Section 3204.3.1.3, delete the following from the exception: “determined by the code official that”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-281; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3000*)

**675 IAC 22-2.3-282 Section 3204.3.2.2; drainage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 282. In Section 3204.3.2.2, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-282; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3000*)

**675 IAC 22-2.3-283 Section 3205.3.2; emergency shut-off valves**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 283. In Section 3205.3.2, delete “available” and substitute “accessible”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-283; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3000*)

**675 IAC 22-2.3-284 Chapter 33; explosives and fireworks**

Authority: IC 22-13-2-2

Affected: IC 8-2-7-43.5; IC 22-11-14-3; IC 22-12-7; IC 22-13; IC 22-14-4-2; IC 35-47.5; IC 36-8-17

Sec. 284. Delete the text of Chapter 33 and substitute as follows: Portions of this work are reproduced from the 1997 edition of the Uniform Fire Code, Article 77 and Article 78, and Appendix VI-F, copyright© 1997, with the permission of the publisher, the International Conference of Building Officials. ICBO assumes no responsibility for the accuracy or completion of summaries provided therein.

CHAPTER 33 - EXPLOSIVES AND FIREWORKS

SECTION 3. - GENERAL

3301.1 Scope. Manufacture, possession, storage, sale, transportation, and use of explosive materials shall be in accordance with Chapter 33. See Appendix VI-F for excerpts from nationally recognized standards for separation distances for explosives.

Explosives class designations in parentheses refer to new classifications used by DOT. See Appendix VI-F for information on explosives class designations.

EXCEPTIONS: 1. The armed forces of the United States, Coast Guard, or National Guard.

2. Explosives in forms prescribed by the official United States Pharmacopoeia.

3. The sale, possession, or use of fireworks 1.4G (Class C common fireworks).

4. The possession, transportation, storage, and use of small arms ammunition when packaged in accordance with DOT packaging requirements.

5. Commercially manufactured black powder in quantities not to exceed fifty (50) pounds, percussion caps, safety and pyrotechnic fuses, quills, quick and slow matches, and friction primers, if the black powder is intended to be used solely for sporting, recreational, or cultural purposes in antique firearms or antique devices.

6. The transportation and use of explosive materials by the United States Bureau of Mines, and federal, state, and local law enforcement and fire agencies acting in their official capacities.

7. Special industrial explosive devices which in the aggregate contain less than fifty (50) pounds (twenty-two and seven-tenths (22.7) kg) of explosive materials.

8. The possession, transportation, storage, and use of blank industrial powder load cartridges when packaged in accordance with DOT packaging regulations.

9. When preempted by federal regulations.

10. The use and handling of fireworks 1.3G (Class B fireworks) as set forth in Chapter 33.

3301.2 Definitions.

3301.2.1 General. Insert the following definitions:

AERIAL SHELL is a pyrotechnic device that functions in the air.

BATF is the Bureau of Alcohol, Tobacco, and Firearms.

BLASTING AGENT is a material or mixture consisting of a fuel and oxidizer intended for blasting. The finished product as mixed and packaged for use or shipment cannot be detonated by means of a No. 8 test blasting cap when unconfined. Under Department of Transportation regulations, blasting agents are classified and labeled as 1.5D.

BLASTING CAP is a shell closed at one (1) end and containing a charge of a detonating compound which is ignited by a safety fuse. It is used for detonating explosives.

BINARY EXPLOSIVE is an explosive material composed of separate components, each of which is safe for storage and transportation and would not in itself be considered as an explosive.

BREAK (aerial shell) is an individual effect from an aerial shell, generally either color or noise. Aerial shells can be single break, having only one (1) effect, or multiple break, having two (2) or more effects.

BULLET RESISTANT is a material or method of construction which resists penetration of a bullet of one hundred fifty (150) grain (nine and seventy-five hundredths (9.75) g) M-2 ball ammunition having a nominal muzzle velocity of two thousand seven hundred (2,700) feet per second (eight hundred twenty-three (823) m/s) fired from a .30 caliber rifle at a distance of one hundred (100) feet (thirty and five-tenths (30.5) m). See Section 3302.3.4.

CFR is the Code of Federal Regulations of the United States Government.

DEA is the Drug Enforcement Administration of the United States Department of Justice.

DEFLAGRATION is an exothermic reaction, such as the extremely rapid oxidation of a combustible dust or flammable vapor in air, in which the reaction progresses through the unburned material at a rate less than the velocity of sound. A deflagration can have an explosive effect.

DESIGNATED LANDING AREA is the area over which aerial shells are fired and into which debris and malfunctioning aerial shells can fall.

DETONATION is an exothermic reaction characterized by the presence of a shock wave in a material which establishes and maintains the reaction. The reaction zone progresses through the material at a rate greater than the velocity of sound. The principal heating mechanism is one of shock compression. Detonations have an explosive effect.

DETONATOR is a component, such as a blasting cap or an electric blasting cap, in an explosive train which is capable of initiating

detonation in a subsequent high explosive component.

DOT is the United States Department of Transportation.

ELECTRIC BLASTING CAP is a detonator which consists of a shell closed at one (1) end. The other end contains electric wires which have been sealed into the shell. It contains a charge of detonating compound which is ignited or initiated by applying electric current to the wires protruding from the detonator.

EXPLOSIVE is:

1. A chemical that causes a sudden, almost instantaneous release of pressure, gas, and heat when subjected to sudden shock, pressure, or high temperatures, or
2. A material or chemical, other than a blasting agent, that is commonly used or intended to be used for the purpose of producing an explosive effect and is regulated by Chapter 33.

EXPLOSIVE MATERIALS are explosives, blasting agents, and detonators including, but not limited to, dynamite and other high explosives; slurries, emulsions, and water gels; black powder and pellet powder; initiating explosives; detonators or blasting caps; safety fuses; squibs; detonating cord; igniter cord; igniters and fireworks, 1.3G (Class B special fireworks).

FIREWORKS, 1.4G (Class C, Common) are small firework devices designed primarily to produce visible or audible effects by combustion and which comply with the construction, chemical composition, and DOT labeling requirements for fireworks, 1.4G (Class C, common fireworks).

FIREWORKS, 1.3G (Fireworks, Special Class B) are large fireworks designed primarily to produce visible or audible effects by combustion, deflagration, or detonation. Fireworks, 1.3G (special fireworks) include, but are not limited to, firecrackers containing more than two (2) grains (one hundred thirty (130) m) of explosive composition, aerial shells containing more than forty (40) grams of pyrotechnic composition, and other display pieces which exceed the limits for classification as 1.4G (Class C, common fireworks).

Special fireworks formerly classified as Class B explosives are now classified as fireworks, 1.3G by DOT.

FIXED GROUND PIECE is a ground display piece having no movable parts, such as a revolving wheel.

GROUND PIECE is a pyrotechnic device that functions on the ground. Ground pieces include fountains, roman candles, wheels, and set pieces.

GUNPOWDER is any of various powders used in firearms and small arms ammunition as propelling charges.

HIGH EXPLOSIVE is explosive material, such as dynamite, which can be caused to detonate by means of a No. 8 test blasting cap when unconfined.

INHABITED BUILDING is a building regularly occupied in whole or in part as a habitation for human beings. Inhabited buildings include churches, schools, railway passenger stations, stores, airport terminals for passengers, and other buildings or structures where people are accustomed to congregate or assemble. Inhabited buildings do not include buildings or structures occupied in connection with the manufacture, transportation, storage, or use of explosives and blasting agents.

INTRAPLANT DISTANCE is the minimum distance permitted between two (2) buildings on an explosives manufacturing site, when at least one (1) of the buildings contains or is designed to contain explosives.

LOW EXPLOSIVE is explosive material which will burn or deflagrate when ignited. It is characterized by a rate of reaction that is less than the speed of sound. Examples of low explosives are black powder, safety fuse, igniters, igniter cord, fuse lighters, fireworks, 1.3G (Class B special fireworks), 1.3, propellants (Class B solid propellants), and fireworks, 1.4G (Class C common fireworks).

MAGAZINE is a building or structure used for the storage of explosives.

MASS-DETONATING EXPLOSIVES are high explosives, black powder, certain propellants, certain pyrotechnics, and other similar explosives, alone or in combination, or loaded into various types of ammunition or containers, most of which can be expected to explode virtually instantaneously when a small portion is subjected to fire, severe concussion, impact, the impulse of an initiating agent, or the effect of a considerable discharge of energy from without. Such an explosive will normally cause severe structural damage to adjacent objects. Explosives propagation could occur immediately to other items of ammunition and explosives stored sufficiently close to and not adequately protected from the initially exploding pile with a time interval short enough so that two (2) or more quantities must be considered as one (1) for quantity/distance (Q/D) purposes.

MORTAR is a tube from which aerial shells are fired.

PERCUSSION CAP is a device used to ignite the powder charge of small arms ammunition.

PYROTECHNIC OPERATOR is an individual approved to be responsible for pyrotechnic, pyrotechnic special effects materials, or both.

PYROTECHNIC SPECIAL EFFECTS MATERIAL (special effect) is a low explosive material, other than detonating cord,

commonly used in motion picture, television, theatrical, or group entertainment production for which a permit from the chief is required for use or storage.

READY BOX is a storage container for aerial shells at the site of a fireworks display.

SAFETY CAP is a paper tube, closed at one (1) end, that is placed over the end of the fuse of an aerial shell to protect it from accidental ignition.

SPECIAL INDUSTRIAL EXPLOSIVE DEVICE is an explosive power-pack containing an explosive charge in the form of a cartridge or construction device. The term includes, but is not limited to, explosive rivets, explosive bolts, explosive charges for driving pins or studs, cartridges for explosive-actuated power tools, and charges of explosives used in jet tapping of open-hearth furnaces and jet perforation of oil well casings.

SPECIAL INDUSTRIAL HIGH-EXPLOSIVE MATERIALS are sheet, extrusions, pellets and packages of high explosives containing dynamite, trinitrotoluol, pentaerythritoltetranite, cyclotrimethylenetrinitramine, or other similar compounds used for high-energy-rate forming, expanding, and shaping in metal fabrication and for dismemberment and quick reduction of scrap metal.

SQUIB, ELECTRIC, is a device similar in appearance to an electric blasting cap which, upon activation by an electric current, produces a deflagration instead of a detonation.

TEST BLASTING CAP NO. 8 is a blasting cap containing two (2) grams of a mixture of eighty (80) percent mercury fulminate and twenty (20) percent potassium chlorate or a cap of equivalent strength.

For other fireworks definitions, see also IC 22-11-14.

3301.2.2 Limited application. For the purpose of Chapter 33, certain terms are defined as follows:

DISPLAY is an outdoor display of aerial shells or ground display pieces.

FIRE RESISTANT is construction designed to provide reasonable protection against fire. For exterior walls of magazines constructed of wood, this shall mean fire-resistance equivalency provided by sheet metal of not less than one hundred seventy-nine ten-thousandths (0.0179) inch (forty-five hundredths (0.45) mm) (twenty-six (26) manufacturer's standard gage).

HARDWOOD is red oak, white oak, hard maple, ash, or hickory, each of which is free from knots, wind shakes, or similar defects.

PLYWOOD is A-C exterior grade plywood.

SOFTWOOD is Douglas fir, pine, or other softwood of equal bullet-resistance free from loose knots, wind shakes, or similar defects.

STEEL is general purpose, hot- or cold-rolled, low carbon steel.

TEMPORARY STORAGE is storage of pyrotechnic special effects material on site for a period of time of seventy-two (72) hours or less.

3301.3 Permits.

3301.3.1 Required. Permits shall be as required in IC 22-14-4 and 675 IAC 12-9-4.

3301.3.2 Unsafe material or practice. Permits for the following materials shall be invalidated and the materials disposed of in an approved, safe manner:

1. Dynamite having an unsatisfactory absorbent or one that permits leakage of a liquid explosive ingredient under any conditions liable to exist during storage.
2. Nitrocellulose in a dry and uncompressed condition in quantity greater than ten (10) pounds (four and five-tenths (4.5) kg) net weight in one (1) package.
3. Fulminate of mercury in a dry condition and fulminate of other metals in any condition except as a component of manufactured articles not hereinafter forbidden.
4. Explosive compositions that ignite spontaneously or undergo marked decomposition, rendering the products or their use more hazardous, when subjected for forty-eight (48) consecutive hours or less to a temperature of 167°F (75°C).
5. New explosive materials until approved by DOT.
6. Explosive materials condemned by DOT.
7. Explosives containing an ammonium salt and a chlorate.

3301.4 Bond. See IC 22-14-4-2.

3301.5 Notice of New Storage and Manufacturing Sites. When a new explosive material storage or manufacturing location, including a temporary jobsite, is established, the local law enforcement agency, fire department, and emergency planning committee shall be notified immediately of the type, quantity, and location of explosive materials at the site.

3301.6 Access Road Signs. At the entrance to explosive material manufacturing and storage sites, all access roads shall be posted with the following warning sign or other approved sign:

DANGER

NEVER FIGHT EXPLOSIVE FIRES  
EXPLOSIVES ARE STORED ON THIS SITE  
CALL \_\_\_\_\_

The sign shall be weather resistant with a reflective surface and lettering at least two (2) inches (fifty and eight-tenths (50.8) mm) high.

3301.7 Prohibited and Limited Acts.

3301.7.1 Manufacturing. The manufacture of explosives shall be prohibited unless such manufacture is in accordance with IC 35-47.5.

3301.7.2 Limits established by law. Storage of explosive materials is prohibited within the limits established by law as the limits of districts in which such storage is prohibited.

SECTION 4. STORAGE

3302.1 General.

3302.1.1 Magazines required. Explosive materials shall be stored in magazines in accordance with Section 3302.

A competent person shall be in charge of magazines. The person shall be at least twenty-one (21) years of age and responsible for compliance with all safety precautions.

3302.1.2 Inspection. Magazines containing explosive materials shall be inspected at intervals of not greater than seven (7) days to determine whether there has been an unauthorized entry or attempted entry into a magazine or unauthorized removal of a magazine or its contents.

3302.1.3 Security. Magazine doors shall be kept locked when the magazine is unattended.

3302.1.4 Posting safety rules. Current safety rules covering the operations of magazines shall be posted on the interior of each magazine in a visible location.

3302.1.5 Rotating stock. When explosive material is removed from a magazine for use, the oldest usable stocks shall be removed first.

3302.1.6 Manner of storage. Corresponding grades and brands shall be stored together and in such a manner that grades and brand marks are visible. Stocks shall be stored so as to be easily counted and checked.

Packages of explosive materials shall be stacked in a stable manner not exceeding six (6) feet (one thousand eight hundred twenty-nine (1,829) mm) in height.

3302.1.7 Opened stock. Packages of explosive materials which have been opened shall be closed before being placed in a magazine. Packages constructed of materials other than fiberboard or paper shall not be opened in a magazine.

3302.1.8 Damaged material. Packages of damaged explosive materials shall not be unpacked or repacked in or within fifty (50) feet (fifteen thousand two hundred forty (15,240) mm) of a magazine or inhabited building or in close proximity to other explosive materials.

3302.1.9 Storage with other materials. Magazines shall be used exclusively for the storage of approved explosive materials and other blasting materials. Tools, other than approved conveyors, shall not be stored in magazines.

3302.1.10 Cleaning. Magazine floors shall be swept regularly and shall be kept clean, dry, and free of grit, paper, and rubbish. Sweepings from floors of magazines shall be disposed of in accordance with the instructions of the manufacturer.

3302.1.11 Deteriorated material handling. When an explosive material has deteriorated to an extent that it is in an unstable or dangerous condition, or when a liquid has leaked from an explosive material, the person in possession of such explosive material shall immediately contact the material's manufacturer and the chief. The work of destroying explosive materials shall be directed by persons experienced in the destruction of explosive materials. Explosive materials recovered from blasting misfires shall be placed in a magazine until an experienced person has determined the method of disposal.

3302.1.12 Stained floors. Magazine floors stained with liquid shall be dealt with according to instructions obtained from the manufacturer of the explosive materials stored in the magazine.

3302.1.13 Magazine maintenance. When magazines need interior repairs, all explosive materials shall be removed and the floors cleaned before and after making repairs. When making exterior magazine repairs involving the possibility of causing a fire, all explosive materials shall first be removed from the magazine. Explosive materials removed from a magazine under repair shall be placed either in another magazine or placed a safe distance from the magazine, where they shall be properly guarded and protected until repairs have been completed. Upon completion of repairs, the explosive materials shall be promptly returned to the magazine.

3302.1.14 Sources of ignition. Smoking, matches, flame-producing devices, open flames, and firearms or cartridges shall not be permitted inside of or within fifty (50) feet (fifteen thousand two hundred forty (15,240) mm) of magazines.

Where low explosives are sorted in magazines, spark-producing tools shall not be used. Such magazines shall be bonded and grounded.

3302.1.15 Yard maintenance. The land within twenty-five (25) feet (seven thousand six hundred twenty (7,620) mm) of magazines shall be kept clear of rubbish, brush, dried grass, leaves, dead trees, and live trees less than ten (10) feet (three thousand forty-eight (3,048) mm) high.

Combustible materials shall not be stored within fifty (50) feet (fifteen thousand two hundred forty (15,240) mm) of magazines.

3302.1.16 Premises identification. The premises upon which Types 1, 2, 4, and 5 outdoor magazines are located shall be posted with signs reading EXPLOSIVES—KEEP OFF. These signs shall be in contrasting colors with a minimum letter size of three (3) inch (seventy-six (76) mm) height with one-half (½) inch (twelve and seven-tenths (12.7) mm) brush stroke. Signs shall be located so that a bullet passing through the sign will not strike a magazine. Signs shall not be attached to outdoor magazines.

3302.1.17 Location. Types 1, 2, 4, and 5 outdoor magazines shall be located in accordance with nationally recognized standards. See Appendix VI-F.

3302.2 Retail Sales.

3302.2.1 General. Indoor storage and display of gunpowder and ammunition for retail sales shall be in accordance with Section 3302.2.

3302.2.1.1 Storage. The maximum quantities, storage conditions, and fire-protection requirements for gunpowder and ammunition stored in a building shall be as follows:

1. Smokeless powder:

Two hundred (200) pounds (ninety and seven-tenths (90.7) kg) in a Type 4 magazine, or

Four hundred (400) pounds (one hundred eighty-one and four-tenths (181.4) kg) in separate portable Type 4 magazines in a completely sprinklered building. The quantity of product in a magazine shall not exceed two hundred (200) pounds (ninety and seven-tenths (90.7) kg).

2. Commercially manufactured sporting black powder:

Twenty-five (25) pounds (eleven and three-tenths (11.3) kg) in a separate, portable Type 4 magazine.

3. Small arms primers or percussion caps:

Seven hundred fifty thousand (750,000) with not more than one hundred thousand (100,000) stored in one (1) pile and piles separated from each other by at least fifteen (15) feet (four thousand five hundred seventy-two (4,572) mm), or Greater than seven hundred fifty thousand (750,000), when in accordance with the following:

3.1 The storage room shall not be accessible to unauthorized persons,

3.2 Primers or percussion caps shall be stored in a one (1) inch (twenty-five and four-tenths (25.4) mm) nominal thickness wood cabinet or equivalent with self-closing doors with not more than two hundred thousand (200,000) primers or caps per cabinet,

3.3 Shelves in cabinets shall be vertically separated by at least two (2) feet (six hundred nine and six-tenths (609.6) mm),

3.4 Cabinets shall be located against walls of the storage room with at least forty (40) feet (twelve thousand one hundred ninety-two (12,192) mm) between cabinets, or with at least twenty (20) feet (six thousand ninety-six (6,096) mm) between cabinets when barricades are installed midway between cabinets. Such barricades shall be securely attached to the wall, shall project from the wall at least ten (10) feet (three thousand forty-eight (3,048) mm), and shall be at least twice the height of cabinets. Barricade construction shall be of one-fourth (¼) inch (six and four-tenths (6.4) mm) boiler plate or two (2) inches (fifty and eight-tenths (50.8) mm) of wood, brick, or concrete block,

3.5 Primers or percussion caps shall be separated from flammable liquids, flammable solids, and oxidizing materials by a distance of twenty-five (25) feet (seven thousand six hundred twenty (7,620) mm) or by a fire partition having a fire-resistive rating of at least one (1) hour, and

3.6 The building shall be protected by an automatic sprinkler system.

3302.2.1.2 Display. The maximum quantities, storage conditions, and fire-protection requirements for gunpowder and ammunition displayed in a building shall be as follows:

1. Smokeless powder: twenty (20) pounds (nine and seven-hundredths (9.07) kg) in original containers.

2. Black powder: NONE.

3. Small arms primers or percussion caps:

Ten thousand (10,000) in a nonsprinklered building.

Twenty-five thousand (25,000) in a sprinklered building.

3302.2.2 Magazine size. Indoor magazines shall not be of a size greater than the exit door or contain more than two hundred (200) pounds (ninety and seven-tenths (90.7) kg) of explosive materials.

3302.2.3 Powder. The amount of powder stored in an indoor magazine shall not exceed two hundred (200) pounds (ninety and seven-tenths (90.7) kg).

3302.2.4 Combined storage. Black powder shall not be stored with small arms primers or percussion caps.

3302.2.5 Bulk repackaging. The bulk repackaging of powder, primers, or percussion caps shall not be performed in retail stores.

3302.2.6 Repackaging of damaged containers. Damaged containers shall not be repackaged.

3302.2.7 Separation. Buildings containing gunpowder or ammunition in accordance with Section 3302.2 need not be located as required by Section 3302.3.3.

3302.3 Storage Magazines.

3302.3.1 General. Explosive materials, including special industrial high-explosive materials, shall be stored in magazines which meet the requirements of Section 3302.3.

3302.3.2 Classification and use of magazines. Magazines shall be classed as Type 1, 2, 3, 4, or 5. Magazines shall be constructed and used in accordance with Table 3302.3-A.

TABLE 3302.3-A - TYPES OF MAGAZINES  
REQUIRED FOR STORAGE OF  
EXPLOSIVE MATERIALS

	MAGAZINE TYPES <sup>1</sup>				
MATERIALS	1	2	3	4	5
High Explosives, 1.1D, (Class A explosives) including dynamites; cap sensitive emulsions; slurries and watergels; cast boosters.	X	X	X		
Black Powder, 1.1D, (Class A explosives). Defined as low explosive by the Bureau of Alcohol, Tobacco, and Firearms for storage.	X	X	X	X	
Detonators, 1.1B, (Class A explosives)	X	X	X		
Detonating Cords, 1.1D; 1.2D; 1.4D; 1.4G, (Class A or C explosive)	X	X	X		
Detonators <sup>2</sup> , 1.4B; 1.4S, (Class C explosive)	X	X	X	X	
Safety fuse, electric squibs, igniters, and igniter cord <sup>3</sup> , 1.4G; 1.4S.	X	X	X	X	
Blasting Agents, 1.5D, (Blasting Agents)	X	X	X	X	X
Propellants, 1.3C, (Class B explosives). Defined as low explosives by the Bureau of Alcohol, Tobacco, and Firearms for storage.	X	X	X	X	

<sup>1</sup>Any of the types indicated by "X" are allowed.

<sup>2</sup>Includes electric detonators with leg wires 4 feet (1219 mm) long or longer or detonators with empty plastic tubing 12 feet (3657.6 mm) long or longer that contain not more than 1 gram of explosives (excluding ignition and delay charges).

<sup>3</sup>Detonators shall not be stored in the same magazine with other explosive materials, except that 1.4 (Class C) detonators and those described in Footnote 2 are allowed to be stored with safety fuse, electric squibs, igniters, or igniter cord in Type 1, 2, 3, or 4 magazines.

3302.3.3 Location. Site magazines for the storage of high explosives and blasting agents shall be located in accordance with Appendix VI-F. Magazines for the storage of low explosives shall be located in accordance with Appendix VI-F. The ground around outdoor magazines shall be graded such that water drains away from the magazines.

3302.3.4 Bullet-resistant construction.

3302.3.4.1 General. Magazines which are required to be bullet resistant shall be constructed using a method specified in Section 3302.3.4. Steel and wood dimensions indicated are actual thicknesses. Concrete block and brick dimensions indicated are the manufacturer's represented thicknesses.

3302.3.4.2 Specified construction. The following methods are acceptable as bullet-resistant construction:

1. Exterior of five-eighths (5/8) inch (fifteen and nine-tenths (15.9) mm) steel, lined with an interior of any type of nonsparking

material.

2. Exterior of one-half ( $\frac{1}{2}$ ) inch (twelve and seven-tenths (12.7) mm) steel, lined with an interior of not less than three-eighths ( $\frac{3}{8}$ ) inch (nine and five-tenths (9.5) mm) plywood.
3. Exterior of three-eighths ( $\frac{3}{8}$ ) inch (nine and five-tenths (9.5) mm) steel, lined with an interior of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood.
4. Exterior of three-eighths ( $\frac{3}{8}$ ) inch (nine and five-tenths (9.5) mm) steel, lined with an interior of three (3) inches (seventy-six and two-tenths (76.2) mm) of softwood or two and one-fourth ( $2\frac{1}{4}$ ) inches (fifty-seven and two-tenths (57.2) mm) of plywood.
5. Exterior of one-fourth ( $\frac{1}{4}$ ) inch (six and four-tenths (6.4) mm) steel, lined with an interior of three (3) inches (seventy-six and two-tenths (76.2) mm) of hardwood.
6. Exterior of one-fourth ( $\frac{1}{4}$ ) inch (six and four-tenths (6.4) mm) steel, lined with an interior of five (5) inches (one hundred twenty-seven (127) mm) of softwood or five and one-fourth ( $5\frac{1}{4}$ ) inches (one hundred thirty-three and four-tenths (133.4) mm) of plywood.
7. Exterior of one-fourth ( $\frac{1}{4}$ ) inch (six and four-tenths (6.4) mm) steel, lined with an intermediate layer of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood, and an interior lining of one and one-half ( $1\frac{1}{2}$ ) inches (thirty-eight and one-tenth (38.1) mm) of plywood.
8. Exterior of three-sixteenths ( $\frac{3}{16}$ ) inch (four and eight-tenths (4.8) mm) steel, lined with an interior of four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood.
9. Exterior of three-sixteenths ( $\frac{3}{16}$ ) inch (four and eight-tenths (4.8) mm) steel, lined with an interior of seven (7) inches (one hundred seventy-seven and eight-tenths (177.8) mm) of softwood or six and three-fourths ( $6\frac{3}{4}$ ) inches (one hundred seventy-one and four-tenths (171.4) mm) of plywood.
10. Exterior of three-sixteenths ( $\frac{3}{16}$ ) inch (four and eight-tenths (4.8) mm) steel, lined with an intermediate layer of three (3) inches (seventy-six and two-tenths (76.2) mm) of hardwood, and an interior lining of three-fourths ( $\frac{3}{4}$ ) inch (nineteen and one-tenth (19.1) mm) of plywood.
11. Exterior of one-eighth ( $\frac{1}{8}$ ) inch (three and two-tenths (3.2) mm) steel, lined with an interior of five (5) inches (one hundred twenty-seven (127) mm) of hardwood.
12. Exterior of one-eighth ( $\frac{1}{8}$ ) inch (three and two-tenths (3.2) mm) steel, lined with an interior of nine (9) inches (two hundred twenty-eight and six-tenths (228.6) mm) of softwood.
13. Exterior of one-eighth ( $\frac{1}{8}$ ) inch (three and two-tenths (3.2) mm) steel, lined with an intermediate layer of four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood, and an interior lining of three-fourths ( $\frac{3}{4}$ ) inch (nineteen and one-tenth (19.1) mm) plywood.
14. Exterior of any type of fire-resistant material which is structurally sound, lined with an intermediate layer of four (4) inches (one hundred one and six-tenths (101.6) mm) of solid concrete block or four (4) inches (one hundred one and six-tenths (101.6) mm) of solid brick or four (4) inches (one hundred one and six-tenths (101.6) mm) of solid concrete, and an interior lining of one-half ( $\frac{1}{2}$ ) inch (twelve and seven-tenths (12.7) mm) plywood placed securely against the masonry lining.
15. Standard eight (8) inch (two hundred three and two-tenths (203.2) mm) concrete block with voids filled with a well-tamped sand/cement mixture.
16. Standard eight (8) inch (two hundred three and two-tenths (203.2) mm) solid brick.
17. Exterior of any type of fire-resistant material which is structurally sound, lined with an intermediate six (6) inch (one hundred fifty-two and four-tenths (152.4) mm) space filled with well-tamped dry sand or a well-tamped sand/cement mixture.
18. Exterior of one-eighth ( $\frac{1}{8}$ ) inch (three and two-tenths (3.2) mm) steel, lined with a first intermediate layer of three-fourths ( $\frac{3}{4}$ ) inch (nineteen and one-tenth (19.1) mm) plywood, a second intermediate layer of three and five-eighths ( $3\frac{5}{8}$ ) inches (ninety-two and one-tenth (92.1) mm) of a well-tamped dry sand or sand/cement mixture, and an interior lining of three-fourths ( $\frac{3}{4}$ ) inch (nineteen and one-tenth (19.1) mm) plywood.
19. Exterior of any type of fire-resistant material, lined with a first intermediate layer of three-fourths ( $\frac{3}{4}$ ) inch (nineteen and one-tenth (19.1) mm) plywood, a second intermediate layer of three and five-eighths ( $3\frac{5}{8}$ ) inches (ninety-two and one-tenth (92.1) mm) of a well-tamped dry sand or sand/cement mixture, a third intermediate layer of three-fourths ( $\frac{3}{4}$ ) inch (nineteen and one-tenth (19.1) mm) plywood, and a fourth intermediate layer of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood or not less than sixty-eight thousandths (0.068) inch (one and seven-tenths (1.7) mm) of steel, and an interior lining of three-fourths ( $\frac{3}{4}$ ) inch (nineteen and one-tenth (19.1) mm) plywood.

20. Eight (8) inch thick (two hundred three and two-tenths (203.2) mm) solid concrete.

3302.3.4.3 Tested construction. Methods of construction other than those specified in Section 3302.3.4.2 are acceptable as bullet-resistant construction when tested as prescribed herein. Tests to determine bullet resistance shall be conducted on test panels or empty magazines which shall resist five (5) out of five (5) shots placed independently of each other in an area three (3) feet by three (3) feet (nine hundred fourteen and four-tenths (914.4) mm by nine hundred fourteen and four-tenths (914.4) mm). For ceilings and roofs, the bullet shall be fired at an angle of forty-five (45) degrees from the perpendicular. For walls and doors, the bullet shall be fired perpendicular to the wall or door. See BULLET RESISTANT in this section.

3302.3.5 Type 1 magazines.

3302.3.5.1 General. Type 1 magazines shall be constructed in accordance with the Building Code and Section 3302.3.5.

A Type 1 magazine shall be a permanent structure such as a building, igloo, tunnel, or dugout. It shall be bullet resistant, fire resistant, weather resistant, theft resistant, and ventilated.

3302.3.5.2 Walls. Walls shall be bullet resistant as specified in Section 3302.3.4.

3302.3.5.3 Floors. Floors shall be constructed of wood or other suitable nonsparking materials.

3302.3.5.4 Foundations. Foundations shall be constructed of brick, concrete, cement block, stone, or wood posts. If piers or posts are used in lieu of a continuous foundation, the space under the buildings shall be enclosed with fire-resistant materials.

3302.3.5.5 Bullet-resistant roofs or ceilings. Where it is possible for a bullet to be fired directly through the roof and into the magazine at such an angle that the bullet could strike the explosives within, the magazine roof shall be bullet resistant as specified in Section 3302.3.4 or shall be protected by one (1) of the following methods:

1. A sand tray having a depth of four (4) inches (one hundred one and six-tenths (101.6) mm) of sand and located at the top of the inner walls covering the entire ceiling area, except that portion necessary for ventilation.
2. Either not less than thirty-three thousandths (0.033) inch (eighty-four hundredths (0.84) mm) (twenty (20) gage) steel with four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood or not less than forty-three thousandths (0.043) inch (one and one-tenth (1.1) mm) (eighteen (18) gage) aluminum with seven (7) inches (one hundred seventy-seven and eight-tenths (177.8) mm) of hardwood.

3302.3.5.6 Doors. Doors shall be bullet resistant as specified in Section 3302.3.4. Hinges and hasps shall be attached to the doors by welding, riveting, or bolting with nuts on the inside of the door. Hinges and hasps shall be installed in such a manner that they cannot be removed when the doors are closed and locked.

3302.3.5.7 Locks. Each door shall be equipped with two (2) mortise locks, two (2) padlocks fastened in separate hasps and staples, a combination of a mortise lock and a padlock, a mortise lock that requires two (2) keys to open, or a three-point or equivalent-type lock that secures the door to the frame at more than one (1) point. Padlocks shall be steel having at least five (5) tumblers and at least a three-eighths ( $\frac{3}{8}$ ) inch (nine and five-tenths (9.5) mm) diameter case-hardened shackle. Padlocks shall be protected by not less than one-fourth ( $\frac{1}{4}$ ) inch (six and four-tenths (6.4) mm) steel hoods constructed in a manner which prevents sawing or lever action on the locks, hasps, and staples.

EXCEPTION: Magazine doors that are adequately secured on the inside by means of a bolt, lock, or bar that cannot be actuated from the outside.

3302.3.5.8 Ventilation. Ventilation shall be provided to prevent dampness and heating of stored explosive materials. Ventilation openings shall be screened to prevent the entrance of sparks. Ventilation openings in side walls and foundations shall be offset or shielded for bullet-resistant purposes. Magazines having foundation and roof ventilators with the air circulating between the side walls and the floors and between the side walls and the ceiling shall have a wooden lattice or equivalent to prevent the packages of explosive materials from being stacked against the side walls and blocking the air circulation.

3302.3.5.9 Exposed metal. Sparking material shall not be exposed to contact with the stored explosive materials. Ferrous metal nails in the floor and side walls, which could be exposed to contact with explosive materials, shall be blind nailed, countersunk, or covered with a nonsparking latticework or other nonsparking material.

3302.3.6 Type 2 magazines. Type 2 magazines shall be constructed in accordance with Section 3302.3.6.

A Type 2 magazine shall be a box, trailer, semitrailer, or other mobile facility.

A Type 2 magazine shall be bullet resistant, fire resistant, weather resistant, theft resistant, and ventilated.

Walls, ceiling and roof construction, hinges, hasps, locks, ventilation, and interior construction shall be constructed as required for Type 1 magazines.

Type 2 magazines shall be supported to prevent the floor from having direct contact with the ground. Magazines less than one (1) cubic yard (seventy-six hundredths (0.76) m<sup>3</sup>) in size shall be fastened to a fixed object to prevent theft of the entire

magazine.

Vehicular magazines shall be immobilized by removing the wheels, locking with a kingpin locking device, or other approved methods.

3302.3.7 Type 3 magazines. Type 3 magazines shall be constructed in accordance with Section 3302.3.7.

A Type 3 magazine shall be a “day box” or other portable magazine. Type 3 magazines shall be theft resistant, fire resistant, and weather resistant.

Type 3 magazines shall be constructed of not less than ninety-seven thousandths (0.097) inch (two and five-tenths (2.5) mm) (twelve (12) gage) steel lined with at least one-half (½) inch (twelve and seven-tenths (12.7) mm) plywood or masonite. Doors shall overlap sides by at least one (1) inch (twenty-five and four-tenths (25.4) mm).

Hinges and hasps shall be attached by welding, riveting, or bolting with nuts on the inside. Type 3 magazines shall have one (1) steel padlock having at least five (5) tumblers and a case-hardened shackle of at least three-eighths (¾) inch (nine and five-tenths (9.5) mm) diameter.

Explosive materials shall not be left unattended in a Type 3 magazine. When Type 3 magazines will be left unattended, explosive materials shall first be moved to a Type 1 or 2 magazine.

3302.3.8 Type 4 magazines. Type 4 magazines shall be constructed in accordance with the Building Code and Section 3302.3.8.

A Type 4 magazine shall be a permanent, portable, or mobile structure, such as a building, igloo, box, semitrailer, or other mobile container, which shall be fire resistant, theft resistant, and weather resistant.

Outdoor magazines shall be constructed of masonry, metal-covered wood, fabricated metal, or a combination of these materials. Doors shall be metal or solid wood covered with metal.

Permanent magazines shall be constructed as required for Type 1 magazines with respect to foundations, floors, ventilation, and locking devices. Vehicular magazines shall be immobilized when unattended as required for Type 2 magazines.

3302.3.9 Type 5 magazines. Permanent Type 5 magazines shall be constructed in accordance with the Building Code and Section 3302.3.9.

3302.3.9. Temporary Type 5 magazines shall be constructed in accordance with Section 3302.3.9.

A Type 5 magazine shall be a building, igloo, box, bin, tank, semitrailer, bulk-trailer, tank trailer, bulk truck, tank truck, or other mobile container.

Outdoor Type 5 magazines shall be weather resistant and theft resistant.

Construction shall be of wood, wood covered with metal, masonry, fabricated metal, or a combination of these materials. Doors shall be metal or solid wood.

Permanent Type 5 magazines shall be constructed as required for Type 1 magazines with respect to foundations, floors, ventilation, and locking devices.

Vehicular magazines shall be immobilized when unattended, as required for Type 2 vehicular magazines.

Over-the-road trucks and semitrailers used for temporary storage shall have each door locked with one (1) steel padlock having at least five (5) tumblers and a case-hardened shackle of at least three-eighths (¾) inch (nine and five-tenths (9.5) mm) diameter. The door hinges and lock hasp shall be securely fastened to the magazine and the door frame.

EXCEPTION: Magazine doors that are adequately secured on the inside by means of a bolt, lock, or bar that cannot be actuated from the outside.

Type 5 storage magazines in trailers shall display BLASTING AGENT placards, as required by Section 3303.2.10 on the trailer when any quantity of blasting agents (Explosives, 1.5D—see Appendix VI-F) is contained therein.

3302.3.10 Indoor magazines. Indoor magazines shall be constructed in accordance with Section 3302.3.10.

Indoor magazines shall be fire resistant and theft resistant. Indoor magazines constructed of wood shall have sides, bottoms, and lids or doors constructed of two (2) inch (fifty and eight-tenths (50.8) mm) wood and shall be well braced at corners. The magazines shall be covered on the exterior with steel not less than sixteen-thousandths (0.016) inch (forty-one hundredths (0.41) mm) (twenty-six (26) gage) thick. Indoor magazines constructed of metal shall have sides, bottoms, and lids or doors constructed of not less than ninety-seven thousandths (0.097) inch (two and five-tenths (2.5) mm) (twelve (12) gage) steel and shall be lined with a minimum of one-half (½) inch (twelve and seven-tenths (12.7) mm) of nonsparking material.

EXCEPTION: Type 5 indoor magazines used for the storage of blasting agents (Explosives, 1.5D—see Appendix VI-F) need not be fire resistant.

Indoor magazines need not be bullet resistant or weather resistant if the buildings in which they are stored provide protection from the weather and bullet penetration.

Hinges and hasps shall be attached to doors or lids by welding, riveting, or bolting with nuts on the inside so that doors or

lids cannot be removed when closed and locked.

Each magazine shall be equipped with a steel padlock, which need not be protected by a steel hood, having at least five (5) tumblers with a case-hardened shackle of at least three-eighths ( $\frac{3}{8}$ ) inch (nine and five-tenths (9.5) mm) diameter.

Indoor magazines shall have substantial wheels or casters to facilitate removal from a building in case of emergency.

Magazines shall be painted red and the lid or door shall bear in conspicuous white lettering, at least three (3) inches (seventy-six and two-tenths (76.2) mm) high, EXPLOSIVES—KEEP FIRE AWAY.

The indoor storage of high explosives shall not exceed fifty (50) pounds (twenty-two and seven-tenths (22.7) kg). Detonators shall be stored in a separate magazine from other explosive materials and the total number of detonators stored shall not exceed five thousand (5,000).

Indoor magazines containing blasting agents in excess of fifty (50) pounds (twenty-two and seven-tenths (22.7) kg) shall be located in accordance with Appendix VI-F.

Indoor storage magazines shall not be located in residences or dwellings.

### SECTION 3303 - USE, HANDLING, AND TRANSPORTATION

#### 3303.1 Use and Handling.

3303.1.1 Hours of operation. Blasting operations shall be conducted during daylight hours.

3303.1.2 Personnel qualifications. The person in charge of the handling and use of explosive materials shall be at least twenty-one (21) years of age and possess a valid explosive-use permit issued by the chief.

EXCEPTION: Persons eighteen (18) years of age or older are allowed to use and handle explosive materials under the direct personal supervision of a person who possesses a valid explosive-use permit.

3303.1.3 Intoxicants. Explosive materials shall not be handled by persons under the influence of intoxicants, narcotics, or DEA-controlled substances.

3303.1.4 Smoking. Smoking and carrying matches while handling explosive materials or while within fifty (50) feet (fifteen thousand two hundred forty (15,240) mm) of where explosive materials are being used are prohibited.

3303.1.5 Sources of ignition. The use of matches, lighters, spark-producing devices, or the presence of any open flames is prohibited within fifty (50) feet (fifteen thousand two hundred forty (15,240) mm) of areas where explosives are being used.

EXCEPTION: The lighting of safety fuse in conjunction with approved blasting operations.

3303.1.6 Utilities notification. When blasting is being conducted in the vicinity of gas, electric, water, fire alarm, telephone, telegraph, or stream utilities, the blaster shall notify the appropriate representative of such utilities at least twenty-four (24) hours in advance of blasting specifying the location and intended time of such blasting.

3303.1.7 Other regulations. Blasting operations shall be conducted in accordance with federal, state, and local regulations.

3303.1.8 Blasting safeguards. Before a blast is fired, the person in charge shall make certain that surplus explosive materials are in a safe place, that persons and vehicles are at a safe distance or under sufficient cover, and that a loud warning signal has been sounded.

3303.1.9 Premature detonation safeguards. Precautions shall be taken to prevent the premature detonation of explosive materials from lighting, radio frequency energy, extraneous electricity or static electricity caused by dust or snow storms, low humidity, or mechanical conditions. Such precautions shall include:

1. The suspension of blasting operations and removal of persons from the blasting area during the approach and progress of a thunderstorm,
2. The posting of signs prohibiting the use of mobile radio transmitters on roads within one thousand (1,000) feet (three hundred four and eight-tenths (304.8) m) of blasting operations where electric detonators are being used, and
3. Periodic checks for static electricity or stray currents in areas where these factors could exceed safe operating limits.

3303.1.10 Nonsparking tools. Tools used for the opening of containers of explosive materials shall be made of nonsparking materials.

EXCEPTION: Slitters of metal are allowed for opening paper, plastic, or fiberboard containers.

3303.1.11 Exposure protection. When blasting is performed in a congested area or in close proximity to a building, structure, railway, highway, or other installation that could be damaged by material being thrown into the air, the blast shall be covered with an adequate blasting mat.

3303.1.12 Disposal of packaging. Empty boxes and paper, plastic, or fiber packing material which have previously contained explosive materials shall not be reused and shall be disposed of in accordance with manufacturers' recommendations or instructions.

3303.1.13 Abandonment. Explosive materials shall not be abandoned.

3303.2 Transportation.

3303.2.1 Public conveyance. Explosive materials shall not be carried or transported in or upon a public conveyance or vehicle carrying passengers for hire.

Interstate transportation of explosives is not regulated by this code.

3303.2.2 Vehicle construction. Vehicles used for transporting explosive materials shall be strong enough to carry the load without difficulty and shall be in good mechanical condition. If vehicles do not have a closed body, a portable, magazine-type container that is reasonably weather and theft resistant and securely fastened to the vehicle body shall be used to contain the explosive materials. Vehicles used for the transportation of explosive materials shall have tight floors, and any exposed, spark-producing metal on the inside of the body shall be covered with wood or other nonsparking material to prevent contact with explosive materials.

EXCEPTION: Exposed spark-producing metal need not be covered in vehicles in which only blasting agents or oxidizing materials are being transported.

3303.2.3 Authorization. Explosive materials shall be transported on vehicles in accordance with section 3303.2.

3303.2.4 Fire protection. Vehicles used for transporting explosive materials shall be equipped with fire extinguishers according to the following schedule:

- |  |  |
|--|--|
| 1. Vehicle—Gross vehicle Weight less than 14,000 pounds (6,350.2 kg).                            | At least two multipurpose dry-chemical extinguishers having a combined capacity of not less than 4-A:20-B:C. |
| 2. Vehicle—Gross vehicle weight 14,000 pounds (6,350.2 kg) or greater; tractor/semitrailer units | At least two multipurpose dry-chemical extinguishers having a combined capacity of not less than 4-A:70-B:C. |

3303.2.5 Fire extinguisher maintenance and placement. Fire extinguishers shall be securely mounted on vehicles at well-separated, accessible locations. Extinguishers shall be checked monthly to verify that they are filled and in operating condition.

3303.2.6 Vehicle inspection. Vehicles used to transport explosive materials shall be inspected by the person to whom a permit has been issued for such vehicles in order to determine that:

1. Electric wires are insulated and securely fastened,
2. The engine chassis and body are reasonably clean and free of excessive grease and oil,
3. The fuel tanks and fuel lines are securely fastened and not leaking,
4. Brakes, lights, horn, windshield wipers, and steering mechanism are functioning properly.
5. Tires are properly inflated and free from defects, and
6. The vehicle is in proper condition for transporting explosive materials.

3303.2.7 Nonsparking tools. Spark-producing metal tools shall not be carried in the cargo compartment of a vehicle transporting explosive materials.

3303.2.8 Sources of ignition. Smoking, carrying matches or other flame-producing devices, carrying firearms or loaded cartridges while in or near a vehicle transporting explosive materials, and driving, loading, or unloading any such vehicle in a careless or reckless manner are prohibited.

3303.2.9 Personnel qualifications. Vehicles transporting explosive materials shall be in the custody of drivers who are physically fit; careful; capable; reliable; able to read and write the English language; not addicted to the use or under the influence of intoxicants, narcotics, or DEA-controlled substances; and are not less than twenty-one (21) years of age. They shall be familiar with federal, state, and local traffic regulations and the provisions of Chapter 33 governing the transportation of explosive materials.

3303.2.10 Transportation routes. Vehicles transporting explosive materials shall be routed to avoid congested traffic and heavily populated areas.

3303.2.11 Vehicular tunnels. Explosive materials shall not be transported through completed vehicular tunnels which prohibit the transport of explosive materials.

3303.2.12 Unattended vehicles. Vehicles transporting explosive materials shall not be left unattended.

3303.2.13 Passengers. Persons other than the driver and one (1) assistant, who is at least eighteen (18) years of age, shall not ride on vehicles transporting explosive materials.

3303.1.14 Delivery conditions. Delivery of explosive materials shall be made only to authorized persons and into approved storage, handling, or use areas.

3303.2.15 Vehicle storage and repair. Vehicles containing explosive materials shall not be taken into a garage or repair shop for repairs or storage.

3303.3 Explosive Materials Terminals.

3303.3.1 Quantities at terminals. The office of the state fire marshal is authorized to designate the location and specify the maximum

quantity of explosive materials allowed to be loaded, unloaded, reloaded, or temporarily retained at each terminal where such operations are permitted.

3303.3.2 Notification. Carriers shall immediately notify consignees of arrival of explosive materials at terminals.

3303.3.3 Terminal requirements. Truck terminals where explosive materials are loaded, unloaded, or transferred shall be in accordance with the following conditions:

1. There shall not be aboveground storage tanks of flammable or combustible liquids or other hazardous materials on the terminal property which would present a significant exposure hazard to the operation of the terminal or to adjacent properties.
2. The terminal property shall be sufficiently large that docking or vehicle storage areas containing explosives shall be a minimum of seventy-five (75) feet (twenty-two thousand eight hundred sixty (22,860) mm) from adjoining property lines.
3. Explosives shall be kept in vehicles except during transferring or loading operations.
4. Specific areas of docks shall be designated for the holding of explosive materials for not more than seventy-two (72) hours during loading or transferring operations. A minimum distance shall be specified and maintained between this designated area and other materials on the dock. Combustible storage and flammable and combustible liquids shall be kept the greatest possible distance from this designated area.
5. At all times, a guard shall be on duty on the terminal property. The guard shall be capable of driving all equipment in the area. At times when there are a substantial number of vehicles carrying explosive materials in the terminal, additional persons capable of driving shall be provided.
6. Adequate security against unauthorized persons entering the terminal area shall be provided. In metropolitan areas, this shall include a fence and gates.
7. The terminal shall be adequately lighted for normal observation of all vehicles containing explosive materials.
8. Approved fire protection appliances shall be provided for the loading dock near the designated explosive materials area and near the parked vehicles.
9. An approved, isolated area of the terminal property shall be designated for vehicles containing explosive materials.
10. Vehicles containing special inherent hazards shall be kept separated from the area designated for the parking of explosive materials vehicles.
11. Shipments of explosive materials shall be transported without unnecessary delay. Delays shall not exceed seventy-two (72) hours.

3303.4 Blasting Agents.

3303.4.1 Ammonium nitrate storage. Ammonium nitrate stored at a closer distance to the blasting agent storage area than provided in Section 3303.4.3 shall be calculated in accordance with Appendix VI-F.

3303.4.2 Intraplant separation. Minimum intraplant separation distances between mixing units and the ammonium nitrate storage areas and blasting agent storage areas shall be in accordance with Appendix VI-F.

3303.5 Safety Precautions for Blasting Agents.

3303.5.1 Mixing facilities. Buildings or other facilities used for mixing blasting agents shall be located away from inhabited buildings, passenger railways, and public highways in accordance with Appendix VI-F.

EXCEPTION: Bulk mixing and delivery equipment for shot service delivery.

3303.5.2 Production quantities. Not more than eight (8) hours' production of blasting agents or the limit determined by nationally recognized standards (see Appendix VI-F), whichever is less, shall be located in or near the building used for mixing blasting agents. Larger quantities shall be stored in magazines.

3303.5.3 Construction. Buildings or other facilities used for the mixing of blasting agents shall be designed and constructed in accordance with the Building Code.

3303.5.4 Compounding and mixing. Compounding and mixing of approved formulations of blasting agents shall be conducted in accordance with federal, state, and local regulations.

3303.5.5 Sources of ignition. Smoking and open flames shall be prohibited in or within fifty (50) feet (fifteen thousand two hundred forty (15,240) mm) of buildings or facilities used for the mixing of blasting agents.

3303.5.6 Disposal of oxidizer bags. Empty oxidizer bags shall be disposed in accordance with manufacturers' instructions or recommendations.

## SECTION 3304 - MANUFACTURING, ASSEMBLING, AND TESTING

3304.1 General. Manufacture, assembly, testing, and loading of explosives, ammunition, blasting agents (Explosives, Division 1.5—see Appendix VI-F), and fireworks shall be in accordance with Section 3304.

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EXCEPTIONS: 1. Section 3304 does not apply to the hand loading of small arms ammunition prepared for personal use and not for resale.

2. Section 3304 does not apply to the mixing and loading of blasting agents (Explosives; Division 1.5— see Appendix VI-F) at blasting sites provided all necessary safety precautions are taken.

3304.2 Required Information.

3304.2.1 General. Prior to manufacturing, assembling, testing, or loading explosives, ammunition, blasting agents (Explosives; Division 1.5—see Appendix VI-F), or fireworks, the chief shall be furnished with the following information:

1. The exact location of the place of manufacture.
2. The kind of explosives, ammunition, blasting agents (Explosives, Division 1.5—see Appendix VI-F), or fireworks to be manufactured or processed and the property of hazardous materials to be used.
3. The names and addresses of individual owners, partners, or officers of the corporation.
4. A plot plan of the operating premises with the operating buildings indicated in which greater than one (1) pound (forty-five hundredths (0.45) kg) of explosives is manufactured, handled, used, or stored. The maximum amount of explosives greater than one (1) pound (forty-five hundredths (0.45) kg) to be used in each building, number of persons in each operating building, barricade locations and dimensions, and the location and capacity of storage magazines.
5. A copy of the general safety rules which the manufacturer will enforce, including plans for emergency procedures in the event of fire or explosion.

3304.2.2 Retention of Plans. A copy of the plans of the plant shall be kept in the office on the premises of each explosive, ammunition, blasting agents (Explosives, Division 1.5—see Appendix VI-F), or fireworks manufacturing plant and shall be made available to the chief upon request.

3304.3 Training. Workers who handle explosives or explosive charges or dispose of explosives shall be trained in the hazards of the materials and processes in which they are to be engaged and in the safety rules governing such materials and processes.

3304.4 Emergency Procedures. Approved emergency procedures shall be developed for each plant. Such procedures shall include personal instruction in any emergency that could be anticipated. Personnel shall be made aware of an emergency warning signal.

3304.5 Intraplant Separation of Operating Buildings. Mass detonating explosives and fireworks manufacturing buildings, including those where explosive charges are assembled, manufactured, prepared, or loaded, shall be separated from all other buildings, including magazines, within the confines of the manufacturing plant by a distance not less than those shown in Table 3304.5-A.

TABLE 3304.5-A - MINIMUM INTRAPLANT SEPARATION BETWEEN OPERATING BUILDINGS CONTAINING MASS-DETONATING EXPLOSIVES OR FIREWORKS MANUFACTURING <sup>1</sup>

EXPLOSIVE OR FIREWORKS (pounds)		MINIMUM DISTANCE (feet)	EXPLOSIVE OR FIREWORKS (pounds)		MINIMUM DISTANCE (feet)
× 0.454 for kg			× 0.454 for kg		
Over	Not Over	× 304.8 for mm	Over	Not Over	× 304.8 for mm
	50	60	20,000	25,000	530
50	100	80	25,000	30,000	560
100	200	100	30,000	35,000	590
200	300	120	35,000	40,000	620
300	400	130	40,000	45,000	640
400	500	140	45,000	50,000	660
500	600	150	50,000	55,000	680
600	700	160	55,000	60,000	700
700	800	170	60,000	65,000	720
800	900	180	65,000	70,000	740
900	1,000	190	70,000	75,000	770
1,000	1,500	210	75,000	80,000	780
1,500	2,000	230	80,000	85,000	790
2,000	3,000	260	85,000	90,000	800

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3,000	4,000	280	90,000	95,000	820
4,000	5,000	300	95,000	100,000	830
5,000	6,000	320	100,000	125,000	900
6,000	7,000	340	125,000	150,000	950
7,000	8,000	360	150,000	175,000	1,000
8,000	9,000	380	175,000	200,000	1,050
9,000	10,000	400	200,000	225,000	1,100
10,000	15,000	450	225,000	250,000	1,150
15,000	20,000	490			

<sup>1</sup>When a building containing explosives is provided with barricades, the intraline distances shown are allowed to be reduced by one-half (½).

3304.6 Buildings and Equipment

3304.6.1 Construction. Operating buildings or rooms which exceed the exempt amounts of explosives specified in the Building Code shall be constructed in accordance with the Indiana Building Code (675 IAC 13).

3304.6.2 Explosive dust. Explosive dust shall not be exhausted to the atmosphere.

When collecting explosive dust, a “wet” collector system shall be used. Wetting agents shall be compatible with the explosives.

Explosive dusts shall be removed from the collection chamber as often as necessary to prevent overloading. The entire system shall be cleaned at a frequency that will eliminate hazardous concentrations of explosive dusts in pipes, tubing, or ducts.

3304.6.3 Intrinsically safe ventilation system. Squirrel cage blowers shall not be used for exhausting hazardous fumes, vapors, or gases. Nonferrous fan blades shall be used for fans located within the ductwork and through which hazardous materials are exhausted. Motors shall be located outside the duct.

3304.6.4 Workstation protection. Workstations shall be separated by distance, barrier, or other approved alternates so that fire in one (1) station will not ignite material in the next workstation. When necessary, each operator shall be protected by a personnel shield located between the operator and the explosive device or explosive material being processed. This shield and its support shall be a tested design to withstand a blast from the maximum amount of explosives allowed behind it.

3304.7 Operations.

3304.7.1 Remote processing. When the type of material and processing warrants, mechanical operations involving explosives in excess of one (1) pound (forty-five hundredths (0.45) kg) shall be performed at isolated stations or at intraplant distances, and machinery shall be controlled from remote locations behind substantial barricades or at separations so that workers can remain at a safe distance while machinery is operating.

3304.7.2 Static control. The working area where the screening, grinding, blending, and other processing of static-sensitive explosives or pyrotechnic materials are done shall be provided with approved static controls.

3304.7.3 Explosive containers. Bulk explosives shall be kept in approved nonsparking containers when not being used or processed. Explosives shall not be stored or transported in open containers.

3304.7.4 Allowable quantities. The quantity of explosives at a workstation shall not exceed the quantity posted on the load limit signs established by the intraplant distances. See Table 3304.5-A.

3304.7.5 Waste receptacles. Approved receptacles with covers shall be provided for each location for disposing of waste material and debris. These waste receptacles shall be emptied and cleaned as often as necessary but not less than once each day or at the end of each shift.

3304.7.6 Posting of pertinent information. General safety rules and operating instructions governing the particular operation or process carried on at that location shall be available at each location.

3304.7.7 Posted limits. Personnel and explosive limits shall be posted.

3304.7.8 Maintenance. Regular maintenance and repair work shall not be performed in an explosive area until explosives are removed and the area is made safe.

EXCEPTION: Minor adjustments or emergency repairs to secure immediate safety.

3304.7.9 Spills. Spilled or dropped explosives shall be cleaned up at once.

3304.7.10 Contaminated materials. Shipping containers, cleaning rags, and other materials contaminated with explosives shall be removed daily and disposed in an approved, safe manner.

3304.7.11 Storage. Fireworks, explosives, and explosive charges shall not be stored near sources of heat.

EXCEPTION: Approved curing or drying operation.

3304.8 Explosive Materials Testing Sites.

3304.8.1 Location. Detonation of explosive materials or ignition of fireworks for testing purposes shall be performed only in isolated areas at special sites where distance; protection from missiles, shrapnel, or flyrock by barricades, bunkers, or adequate shelter; and other safeguards to assure adequate protection to prevent injury to personnel or damage to property are provided. See Section 3304.9.

3304.8.2 Personal protective equipment. Protective clothing and equipment shall be provided to protect persons engaged in the testing, ignition, or detonation of explosive materials.

3304.8.3 Test site safeguards. When tests are being conducted or explosives are being detonated, only authorized persons shall be present. Areas where explosives are regularly or frequently detonated or burned shall be fenced and posted with adequate warning signs. Adequate warning devices shall be used before burning or detonating explosives to warn persons who might approach from any direction that they are approaching a danger zone.

3304.9 Disposal of Waste Explosive Materials.

3304.9.1 Disposal site safeguards. Sites for the destruction of explosive materials and fireworks shall be located in accordance with Appendix VI-F. When possible, barricades shall be utilized between the destruction site and inhabited buildings.

3304.9.2 Reuse of site. Unless an approved burning site has been thoroughly saturated with water and has passed a safety inspection, forty-eight (48) hours shall elapse between the completion of a burn and the placement of scrap explosive materials for a subsequent burn.

3304.9.3 Personnel safeguards. Once an explosive burn operation has started, personnel shall relocate to a safe location where adequate protection from air blast and flying debris is provided. Personnel shall not return to the burn area until the person in charge has inspected the burn site and determined that it is safe for personnel to return.

3304.9.4 Standby personnel. When required by the chief, standby personnel shall be provided until such time as the site is determined to be safe. See Section 2416.

**SECTION 3305 - FIREWORKS AND PYROTECHNIC SPECIAL EFFECTS MATERIAL—GENERAL**

3305.1 Scope. Fireworks and temporary storage, use, and handling of pyrotechnic special effects material used in motion pictures, television, and theatrical and group entertainment productions shall be in accordance with Chapter 33 and IC 22-11-14.

3305.2 Permits.

3305.3 Fireworks.

3305.3.1 Manufacturing. It is unlawful for any manufacturer, wholesaler, importer, or distributor to sell at wholesale, or offer to sell at wholesale, or ship or cause to be shipped into Indiana, fireworks, novelties, or trick noisemakers unless he has been issued and holds a valid certificate of compliance issued by the state fire marshal. A retailer selling fireworks must apply for a fireworks stand retail sales permit from the state fire marshal prior to June 1 of each year.

3305.3.2 Displays. See IC 22-11-14 and IC 22-11-14-3.

**SECTION 3306 - FIREWORKS**

3306.1 General. Storage, use, and handling of fireworks shall be in accordance with Section 3306, Indiana Building Code (675 IAC 13) and IC 22-11-14.

EXCEPTIONS: 1. The use of fireworks by railroads or other transportation agencies for signaling or illumination.

2. The sale or use of blank cartridges for theatrics, signaling, or ceremonial purposes.

3. The use of fireworks by the United States armed forces.

3306.2 Seizure of Fireworks. The office of the state fire marshal is authorized to seize, take, remove, or cause to be removed at the expense of the owner all stocks of fireworks offered or exposed for sale, stored, or held in violation of Chapter 33 and IC 22-11-14.

TABLE 3306.3-A - MINIMUM MORTAR  
SEPARATION DISTANCES

MORTAR DIAMETER (inches)	MINIMUM SEPARATION FROM SPECTATOR VIEWING AREAS, VEHICLES AND BUILDINGS (feet)
× 25.4 for mm	× 0.3048 for m
less than 3	140
3	210
4	280

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5	350
6	420
7	490
8	560
10	700
12	840
greater than 12	980

3306.4 Displays.

3306.4.1 General. Fireworks displays shall be in accordance with Section 3306.4.

3306.4.2 Insurance. The governing body of the municipality shall require a certificate of insurance in accordance with IC 22-11-14-3.

3306.4.3 Mortars for aerial shell displays.

3306.4.3.1 Site criteria. Mortars for aerial displays shall be separated from spectator viewing areas, vehicles, and buildings as set forth in Table 3306.3-A.

The designated landing area shall be an approved large, clear, open area. Spectators, vehicles, and combustible materials shall not be allowed within the designated landing area. The designated landing area shall not be within one hundred (100) feet (thirty thousand four hundred eighty (30,480) mm) of tents, canopies, and membrane structures.

3306.4.3.2 Construction. Mortars shall be approved for use with the aerial shells to be fired. Mortars shall be constructed of heavy cardboard, paper, or metal other than cast iron.

3306.4.3.3 Inspection. Prior to placement, mortars shall be inspected for defects such as dents, bent ends, damaged interiors, and damaged plugs. Mortars found to be defective shall not be used.

3306.4.3.4 Positioning. Mortars shall be positioned so that aerial shells are directed over the designated landing area and away from ground pieces. Mortars shall not be angled toward spectator viewing areas.

The trajectory of aerial shells shall be arranged such that a minimum clearance of twenty-five (25) feet (seven thousand six hundred twenty (7,620) mm) is maintained from potential obstructions.

Seamed metal mortars shall be placed such that the seam of a mortar faces to the side rather than to the top or bottom.

3306.4.3.5 Securing. Mortars shall be buried to a depth of not less than two-thirds ( $\frac{2}{3}$ ) of their length, either in the ground or in aboveground troughs or drums. In soft ground, wood not less than two (2) inches (fifty and eight-tenths (50.8) mm) nominal thickness or rock slabs shall be placed beneath mortars which will be used more than once to prevent their sinking or being driven into the ground during firing.

EXCEPTION: Approved securely positioned mortar racks are allowed for the firing of single-break shells six (6) inches (one hundred fifty-two and four-tenths (152.4) mm) or less in diameter.

3306.4.3.6 Mortar separation. Mortars that are buried in the ground, in troughs, or in drums shall be separated from adjacent mortars by a distance equal to or greater than the diameter of the mortar.

EXCEPTION: Electrically fired mortars.

3306.4.3.7 Moisture protection. In damp ground, a weather-resistant bag shall be placed under the bottoms of mortars prior to placement in the ground to protect mortars from moisture. Weather-resistant bags shall be placed over the open end of mortars in damp weather to keep moisture from accumulating on the inside surface of mortars.

3306.4.3.8 Ground burst protection. Sand bags, dirt boxes, or other suitable protection shall be placed around mortars on the uprange side to protect the operator from ground bursts.

3306.4.3.9 Paper mortars.

3306.4.3.9.1 Convolute. Paper mortars constructed of convolute wound paper shall be approved for the size aerial shells being discharged having a maximum double break.

3306.4.3.9.2 Spiral wound. Spiral-wound paper mortars shall not be used for greater than three (3) inch (seventy-six and two-tenths (76.2) mm) diameter aerial shells with a maximum double break.

3306.4.3.10 Grouping mortars. Mortars of the same diameter, which are to be reloaded during a display, shall be grouped together such that various sized are not intermixed. Groups shall be separated.

3306.4.3.11 Loose gravel and rocks. Loose gravel, rocks, and other loose solid objects shall be removed from the area around mortars to prevent such materials from being thrown from ground bursts during firing.

3306.4.3.12 Cleaning tool. When mortars are to be fired more than once during a display, a cleaning tool shall be available for the

cleaning of debris from mortars as necessary. For metal mortars, the tool shall be nonsparking.

3306.4.4 Ground pieces.

3306.4.4.1 Location. Ground pieces shall be located not less than one hundred fifty (150) feet (forty-five thousand seven hundred twenty (45,720) mm) from spectators and vehicles; not less than one hundred (100) feet (thirty thousand four hundred eighty (30,480) mm) from tents, canopies, or membrane structures; not less than one hundred (100) feet (thirty thousand four hundred eighty (30,480) mm) from mortars; and outside of the designated landing area.

EXCEPTIONS: 1. Fixed ground pieces are allowed not less than seventy-five (75) feet (twenty-two thousand eight hundred sixty (22,860) mm) from spectators and vehicles.

2. Electrically fired ground pieces are allowed in the designated landing area.

3306.4.4.2 Combustibles. The area beneath ground pieces shall be free of dry grass and combustibles.

3306.4.4.3 Securing. Poles for ground pieces shall be securely placed and braced.

3306.4.5 Electrical fire units.

3306.4.5.1 General. Electrical firing units shall be in accordance with Section 3306.4.5.

3306.4.5.2 Wiring. Electrical wiring associated with an electrical firing unit shall be prevented from contacting metal objects in contact with the ground.

3306.4.5.3 Power supply. AC-powered electrical firing units shall be isolated from the power source using an isolation transformer.

3306.4.5.4 Security. Electrical firing units shall require operation of a key-operated switch or other similar device to prevent unauthorized operation.

EXCEPTION: Hand-held electrical firing units connected to fireworks only during a display.

3306.4.5.5 Manually activated firing units. Manually activated electrical firing units shall require two (2) or more distinct actions to apply electric current to an electric match.

3306.4.5.6 Automatic-firing units. Automatic-sequencing-type electrical firing units shall include a momentary contact switch which must be held to cause application of current to an electric match and which will immediately disconnect current to all electric matches upon release.

3306.4.5.7 Testing of firing circuits. The pyrotechnic operator shall ensure that personnel are kept at a safe distance from fireworks which are connected to electrical firing units during testing. Electrical firing units with integral test circuits shall be designed to limit the maximum current output during a test to five-hundredths (0.05) ampere or to twenty (20) percent of the no-fire current of electric matches, whichever is less. Multitesters shall not be used for testing unless the maximum current output has been measured and determined not to exceed the current output limits for integral test circuits.

3306.4.6 Inspection. Fireworks shall be inspected upon delivery to the display site by the pyrotechnic operator. Aerial shells having tears, leaks, or broken fuses or showing signs of having been wet shall be properly disposed of.

3306.4.7 Supervision. Fireworks shall not be left unattended or allowed to become wet at the display site.

3306.4.8 Display operation.

3306.4.8.1 General. Display operation shall be in accordance with Section 3306.4.8.

3306.4.8.2 Fire protection. The pyrotechnic operator shall provide portable fire extinguishers for the discharge area and arrange for standby fire apparatus for protection down range.

3306.4.8.3 Monitors. The pyrotechnic operator shall employ monitors whose sole duty shall be the enforcement of crowd control around the display area. Unauthorized persons shall not be allowed to enter the discharge site until the site has been inspected after the display by the pyrotechnic operator.

3306.4.8.4 Barriers. The chief is authorized to require rope barriers, fences, signs, or other devices to be installed around the display area to aid in crowd control.

3306.4.8.5 Display discontinued. If the chief or the pyrotechnic operator determines that there is a lack of crowd control or that the crowd is in danger, the display shall be immediately discontinued. If at any time high winds or wet weather creates a danger, the display shall be postponed until the weather conditions are acceptable to the chief.

3306.4.8.6 Illumination. Display operators shall use only flashlights or electric lighting for illumination.

3306.4.8.7 Smoking and open flames. Smoking and use of open flames are prohibited in the aerial shell storage area. NO SMOKING OR OPEN FLAME signs shall be conspicuously posted.

3306.4.8.8 Aerial shells.

3306.4.8.8.1 General. Aerial shell operations shall be in accordance with Section 3306.4.8.8.

3306.4.8.8.2 Ready boxes. Ready boxes shall be located not less than twenty-five (25) feet (seven thousand six hundred twenty

(7,620) mm) in an upwind direction from mortars.

3306.4.8.8.3 Transporting. Aerial shells shall be carried to mortars by the shell body. For the purpose of loading mortars, aerial shells shall be held by the thick portion of the fuse and carefully lowered into mortars.

3306.4.8.8.4 Proper fit. Aerial shells shall be checked for proper fit in mortars prior to discharge. The pyrotechnic operator shall inspect all aerial shells to be certain that they are properly seated in mortars prior to firing. Aerial shells that do not fit properly shall not be fired.

3306.4.8.8.5 Safety cap. The safety cap protecting a fuse shall not be removed until immediately before an aerial shell is to be fired.

3306.4.8.8.6 Ignition. Aerial shells shall be ignited by lighting the tips of fuses with a fuse, torch, portfire, electrical ignition source, or similar device. Operators shall not place any part of their bodies over the throat of a mortar.

3306.4.8.8.7 Trajectory. The first aerial shell fired shall be carefully observed to determine that its trajectory will carry it into the intended firing range and that the aerial shell will function over and debris will drop into the designated landing area. Mortars shall be reangled or reset if necessary at any time during the display to properly maintain trajectories over the designated landing area.

3306.4.8.8.8 Defective aerial shells. If an aerial shell fails to ignite in a mortar, the mortar shall be left alone for a minimum of fifteen (15) minutes, then carefully flooded with water. Immediately following the display, and not less than five (5) minutes after flooding the mortar, the mortar shall be emptied into a bucket of water and properly disposed of. Damaged aerial shells shall not be repaired or dismantled.

3306.4.8.8.9 Range inspection. The entire firing range shall be inspected immediately following a display and prior to allowing public access for the purpose of locating unexploded aerial shells. Such shells shall not be handled within fifteen (15) minutes of their firing. Such shells shall then be doused with water, allowed to stand for not less than five (5) minutes, and placed in a bucket of water.

When the firing range cannot be thoroughly inspected due to darkness, the site shall be reinspected the following morning.

3306.4.8.8.10 Record. The pyrotechnic operator shall keep a record of aerial shells that fail to ignite or fail to function.

#### SECTION 3307 - PYROTECHNIC SPECIAL EFFECTS MATERIAL

3307.1 General. Temporary storage, use, and handling of pyrotechnic special effects material used in motion picture, television, theatrical, and group entertainment productions shall be in accordance with Section 3307. Permanent storage of pyrotechnic special effects material shall be in accordance with Chapter 33.

3307.2 Classification of Materials. Pyrotechnic special effects material shall be classified in accordance with DOT regulations and procedures. See Appendix VI-F.

EXCEPTION: Pyrotechnic special effects material which is manufactured on-site and which is in storage or use need not be classified.

3307.3 Construction of Magazines. Magazines used for the storage of pyrotechnic special effects material shall be constructed in accordance with Section 3302.3.

3307.4 Storage.

3307.4.1 Fireworks 1.4G. Fireworks 1.4G (Class C common fireworks) shall be stored in accordance with the requirements for low explosives in Chapter 33.

3307.4.2 Other pyrotechnic special effects material.

3307.4.2.1 General. Storage of pyrotechnic special effects material other than fireworks 1.4G (Class C common fireworks) shall be in accordance with the requirements of Sections 3302 and 3307.4.2.

Containers of explosive materials shall be closed when stored.

3307.4.2.2 Storage magazines.

3307.4.2.2.1 Within buildings. Explosives stored within a building shall not exceed fifty (50) pounds (twenty-two and seven-tenths (22.7) kg). Low explosives stored within a building shall be stored in a Type 2 or 4 magazine. High explosives shall be stored in a Type 2 magazine.

Detonators shall be stored in a separate Type 2 magazine.

3307.4.2.2.2 Outside of buildings. Pyrotechnic special effects material which is to be stored outdoors shall be stored in a Type 2 or 4 magazine. Pyrotechnic special effects material which is classified as a high explosive, including detonating cord and detonators that will mass detonate, such as fuse caps, shall be stored in a Type 2 magazine.

When a Type 4 magazine is used for outdoor storage, such storage shall be in a constantly attended location or, if unattended, shall have wheels removed or the magazine immobilized by kingpin locking devices or by other approved security measures. When a quantity in excess of fifty (50) pounds (twenty-two and seven-tenths (22.7) kg) of explosive materials is stored outside of a

building, such storage shall be located in accordance with Appendix VI-F.

3307.4.3 Storage against walls. Explosive materials within a magazine shall not be placed directly against interior walls and shall not interfere with ventilation. To prevent contact of stored explosive materials with walls, a nonsparking lattice-work or other nonsparking material is allowed to be used.

3307.4.4 Marking of containers. Containers of explosive materials shall be stored such that identifying marks are visible. Stocks of explosive materials shall be stored so they can be easily counted and checked upon inspection.

3307.4.5 Unpacking and repacking containers. Containers of explosive materials shall not be unpacked or repacked inside a magazine or within fifty (50) feet (fifteen thousand two hundred forty (15,240) mm) of a magazine and shall not be unpacked or repacked close to other explosive materials.

EXCEPTION: Unpacking and repacking of fiberboard and other nonmetallic containers.

3307.4.6 Tools. Tools used for opening or closing containers of explosive materials shall be of nonsparking materials. A wood wedge and a fiber, rubber, or wooden mallet shall be used for opening or closing wood containers or explosive materials. Metal tools, other than nonsparking transfer conveyors, shall not be stored in magazines containing high explosives.

EXCEPTION: Metal slitters are allowed to be used for opening fiberboard containers.

3307.5 Smoking and Open Flames. Controls on smoking and open flames shall be in accordance with Sections 3302.1.14, 3303.1.4, and 3303.1.5.

3307.6 Housekeeping. Housekeeping shall be in accordance with Chapter 33.

3307.7 Pyrotechnic Operators. A pyrotechnic operator shall obtain required permits and be responsible for notifying the chief prior to using the pyrotechnic special effects material. The pyrotechnic operator shall have the authority and responsibility for the storage, use, and handling of the pyrotechnic special effects materials. The authority of the pyrotechnic operator shall not be assumed by anyone and shall be superseded only by the chief.

3307.8 Use of Pyrotechnic Special Effects Material.

3307.8.1 General precautions.

3307.8.1.1 Demonstration and approval. An approved test shall be conducted to demonstrate the safe use of pyrotechnic special effects material prior to normal use.

The use of pyrotechnic special effects material shall be approved by the pyrotechnic operator in charge.

3307.8.1.2 Preparation. The company or producer shall allocate sufficient time to the pyrotechnic operator to prepare for the transportation, packing, storing, and daily securing and to dispose of or otherwise handle pyrotechnic special effects material in a safe manner.

3307.8.1.3 Crowd control. Onlookers shall be kept at a safe distance from the area where the pyrotechnic special effects material is discharged and so restrained until the area is cleared.

3307.8.2 Smoke control. When pyrotechnic special effects material is fired within a building, the quantity of smoke developed shall not obscure the visibility of exit signs or paths of egress travel.

Provision shall be made to remove smoke from the building that is generated by pyrotechnic special effects material.

3307.8.3 Binary explosives. When binary explosives are used, the compounding and firing shall be performed by a pyrotechnic operator.

3307.8.4 Surplus materials. Surplus materials shall be properly stored until it can be disposed of in a safe manner.

3307.9 Standby Personnel and Equipment. When necessary for the preservation of life and property, the chief is authorized to require the attendance of standby personnel and fire equipment as set forth in Section 2416. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-284; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3000; errata filed May 11, 2004, 1:34 p.m.: 27 IR 3078*)

**675 IAC 22-2.3-285 Section 3401.2; nonapplicability**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 285. In Section 3401.2 delete the words “service station” and insert “motor fuel dispensing facilities, repair garages,”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-285; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3018*)

**675 IAC 22-2.3-286 Section 3401.4; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 286. Delete Section 3401.4 and substitute to read as follows: 3401.4 Plans. Prior to commencement of construction to store more than six hundred sixty (660) gallons (two thousand four hundred ninety-eight (2,498) L) of liquid outside of buildings in drums or tanks, the owner shall notify the servicing fire department, in writing, of the proposed storage and that a copy of the plans released under 675 IAC 12-6 are available upon request. A copy of the released plans shall indicate the method of storage, quantities to be stored, distances from the buildings and property lines, accessways, fire protection facilities, and provisions for spill control, drainage control, and secondary containment. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-286; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3018)*

**675 IAC 22-2.3-287 Section 3403.2.1; portable fire extinguishers and hose lines**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 287. Amend Section 3403.2.1 to read as follows: Portable fire extinguishers shall be provided in accordance with Section 906 and hose lines in accordance with Section 905. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-287; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3018)*

**675 IAC 22-2.3-288 Section 3403.5; labeling and signage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 288. Change the first sentence of Section 3403.5 to read as follows: The inspection authority is authorized to require warning signs for the purpose of identifying hazards of storing or using flammable liquids, when such storage or using would cause a fire or explosion hazard. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-288; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3018)*

**675 IAC 22-2.3-289 Section 3404.2.2; use of tank vehicles and tank cars as storage**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 289. Change Section 3404.2.2 to read as follows: 3404.2.2 Use of tank vehicles and tank cars as storage tanks. Tank cars and tank vehicles shall not be used as permanent storage tanks. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-289; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3018)*

**675 IAC 22-2.3-290 Section 3404.2.3.1; smoking and open flame**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 290. Add exception to Section 3404.2.3.1 to read as follows: EXCEPTION: Buildings or structures which are smoke-free environments and are posted as such at all public and employee entrances, and no visible evidence of prohibited smoking exist within the building or structure. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-290; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3019)*

**675 IAC 22-2.3-291 Section 3404.2.7.5.5.2; underground tanks**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 291. In Section 3404.2.7.5.5.2, delete “1,000 gallons (3,785 L)” and substitute “one thousand one hundred (1,100) gallons (four thousand one hundred sixty-four (4,164) L)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-291; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3019*)

**675 IAC 22-2.3-292 Section 3404.2.7.5.8; overfill prevention**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 292. In Section 3404.2.7.5.8, add “underground” after “liquid” and before “storage”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-292; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3019*)

**675 IAC 22-2.3-293 Section 3404.2.7.11; tank lining**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 293. Change Section 3404.2.7.11 to read as follows: 3404.2.7.11 Tank lining. Steel tanks may be lined for the purpose of protecting the interior from corrosion or providing compatibility with a material to be stored. Only those liquids tested for compatibility with the lining material are allowed to be stored in lined tanks. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-293; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3019*)

**675 IAC 22-2.3-294 Section 3404.2.8.6; vehicle impact protection**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 294. In Section 3404.2.8.6, change “Section 313” to “Section 312”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-294; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3019*)

**675 IAC 22-2.3-295 Section 3404.2.10; drainage and diking**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 295. In Section 3404.2.10, delete both exceptions and substitute to read as follows:

EXCEPTIONS: 1. Aboveground tanks are not required to be provided with diking when the tank complies with the requirements of Section 2206.2.3 Installation of Tanks, including subsections (a), (b), and (c), and secondary containment systems are monitored for leak detection with an automatic alarm system, visual and/or audible.

2. Approved aboveground tanks with a capacity of five hundred (500) gallons or less, utilized solely for the storage of used motor oil, and in compliance with EPA 40 CFR 279.22 and EPA 40 CFR 264.175 are exempt from the requirements of 3404.2.10.

3. Drainage control and diking is not required for listed secondary containment tanks.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-295; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3019*)

**675 IAC 22-2.3-296 Section 3404.2.10.5; equipment, controls and piping in diked areas**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 296. In Section 3404.2.10.5, add EXCEPTION 3 to read as follows: EXCEPTION 3. Tanks storing more than five thousand (5,000) gallons of gasoline, diesel fuel, or kerosene may have pumps and manifolds attached directly to the tank within diked areas. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-296; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3019*)

**675 IAC 22-2.3-297 Section 3404.2.11.4; overfill protection and prevention system**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 297. Delete the text of Section 3404.2.11.4 and substitute to read as follows: 3404.2.11.4 Overfill protection and prevention systems. Fillpipes shall be equipped with a spill container and an overfill prevention system for each tank. The system shall either:

- (1) Automatically shut off the flow of liquid into the tank when the tank is not more than ninety-five (95) percent of tank capacity; or
- (2) Have an alarm which provides an audible and visual signal when the quantity of liquid in the tank reaches ninety (90) percent of the tank capacity; or
- (3) Restrict flow thirty (30) minutes prior to overfilling and alert the transfer operator with a high level alarm one (1) minute before overfilling or automatically shut off flow into the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-297; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3019)*

**675 IAC 22-2.3-297.1 Section 3404.2.12.2; testing of underground tanks**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 297.1. Change Section 3404.2.12.2 by deleting the words, “in the presence of the code official” and by adding a sentence before the last sentence to read “A Tank Tightness Test report shall be forwarded to the local code official within forty-eight (48) hours.”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-297.1; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020)*

**675 IAC 22-2.3-298 Section 3404.3.1.1; approved containers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 298. Change the text of Section 3404.3.1.1 to read as follows: Only listed or labeled containers and portable tanks shall be used. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-298; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020)*

**675 IAC 22-2.3-299 Section 3404.3.3.9; idle combustible pallets**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 299. In Section 3404.3.3.9, delete “NFPA 231” and substitute “NFPA 13 (675 IAC 13-1)”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-299; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020)*

**675 IAC 22-2.3-300 Section 3404.3.6.5; storage plan**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 300. In Section 3404.3.6.5, delete “when required by the code official”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-300; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020)*

**675 IAC 22-2.3-301 Section 3404.3.8.4; fire-extinguishing systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 301. In Section 3404.3.8.4, delete “and NFPA 231C”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-*

2.3-301; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020)

**675 IAC 22-2.3-302 Section 3404.3.8.5; warehouse hose line**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 302. Amend Section 3404.3.8.5 by deleting "Chapter 9" and inserting "Section 905". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-302; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020*)

**675 IAC 22-2.3-303 Section 3405.3.1; closure of mixing or blending vessels**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 303. In Section 3405.3.1, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-303; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020*)

**675 IAC 22-2.3-304 Section 3405.3.7.5.1; ventilation**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 304. In Section 3405.3.7.5.1, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-304; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020*)

**675 IAC 22-2.3-305 Section 3405.3.8; use, dispensing, and handling outside of buildings**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 305. In Section 3405.3.8, delete "service station" and insert "motor fuel dispensing facilities". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-305; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020; errata filed May 11, 2004, 1:34 p.m.: 27 IR 3078*)

**675 IAC 22-2.3-306 Section 3406.2.2; marking of tanks and containers**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 306. Delete the last sentence of Section 3406.2.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-306; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020*)

**675 IAC 22-2.3-307 Section 3406.2.4.3; location**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 307. In Section 3406.2.4.3, change "50 feet (15,240 mm)" to "ten (10) feet (three thousand forty-eight (3,048) mm)" in two (2) places. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-307; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3020*)

**675 IAC 22-2.3-308 Section 3406.2.8; dispensing from tank vehicles**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 308. In Section 3406.2.8, change EXCEPTION 1 to read as follows: The tank vehicle is equipped to supply fuel to motor

vehicle fuel tanks. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-308; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021)*

**675 IAC 22-2.3-309 Section 3406.2.8.1; location**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 309. In Section 3406.2.8.1, change “50 feet (15,240 mm)” to “twenty-five (25) feet (seven thousand six hundred twenty (7,620) mm)”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-309; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021)*

**675 IAC 22-2.3-310 Section 3406.4; bulk plants or terminals**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 310. In Section 3406.4, add a sentence at the end to read as follows: “Also see Section 2206.2.3.1 of this code.”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-310; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021)*

**675 IAC 22-2.3-311 Section 3406.4.7; wharves**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 311. Amend Section 3406.4.7 by deleting “service stations” and inserting “motor fuel dispensing facilities”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-311; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021)*

**675 IAC 22-2.3-312 Section 3406.5; bulk transfer and process transfer operations**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 312. Amend Section 3406.5 by deleting “service station” and inserting “motor fuel dispensing facilities”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-312; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021)*

**675 IAC 22-2.3-313 Section 3406.5.1.18; security**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 313. Amend Section 3406.5.1.18 as follows:

(1) Delete “vehicle service station” and insert “fuel dispensing facilities”.

(2) Delete EXCEPTION 2 without substitution and renumber EXCEPTION 3 as EXCEPTION 2.

*(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-313; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021)*

**675 IAC 22-2.3-314 Section 3406.5.4.4; fueling of vehicles at farms, construction sites, and similar areas**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 314. Change Section 3406.5.4.4 to read as follows: 3406.5.4.4 Fueling of vehicles at construction sites and similar areas. Transfer of liquid from tank vehicles to motor vehicles at construction sites, earth-moving projects, gravel pits, and borrow pits is allowed in accordance with Section 3406.2.8. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-314; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021)*

**675 IAC 22-2.3-314.1 Section 3406.6.2.1; parking near residential, educational and institutional occupancies and other high-risk areas**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 314.1. Delete Section 3406.6.2.1 and substitute to read as follows: (a) Tank vehicles shall not be left unattended on any street, highway, avenue, or alley, provided that drivers are not prevented from those necessary absences from the vehicle connected with their normal duties, nor shall this requirement prevent stops for meals or rest stops during the day or night.

EXCEPTION 1. This shall not apply to an emergency.

EXCEPTION 2. This shall not apply to vehicles parked in accordance with (b).

(b) Tank vehicles shall not be parked in congested areas. Such vehicles shall be permitted to be parked off the street in uncongested areas if at least fifty (50) feet (fifteen (15) m) from any building used for assembly, institutional, or multiple residential occupancy. This requirement shall not prohibit the parking of cargo vehicles of three thousand five hundred (3,500) gallons (thirteen (13) m<sup>3</sup>) water capacity or less on streets adjacent to the driver's residence in uncongested residential areas, provided such parking locations are at least fifty (50) feet (fifteen (15) m) from a building used for assembly, institutional, or multiple residential occupancy. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-314.1; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021*)

**675 IAC 22-2.3-315 Section 3406.8; vapor recovery and vapor-processing systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 315. Amend Section 3406.8, EXCEPTION 2, by deleting "service station" and inserting "motor fuel dispensing facility". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-315; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3021*)

**675 IAC 22-2.3-316 Section 3501.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 316. Delete Section 3501.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-316; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-317 Section 3601.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 317. Delete Section 3601.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-317; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-318 Section 3606.5.5; electrical equipment**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 318. In Section 3606.5.5, delete "shall be approved types and shall be approved" and substitute "shall be listed". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-318; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-319 Section 3701.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 319. Delete Section 3701.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-319;*

*filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022)*

**675 IAC 22-2.3-320 Section 3704.2.2.7; treatment systems**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 320. Amend Section 3704.2.2.7 as follows: In EXCEPTION 2 Toxic gases-use, add “or portable tanks” after “cylinders”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-320; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-321 Section 3801.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 321. Delete Section 3801.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-321; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-322 Section 3801.3; construction documents**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 322. At the end of Section 3801.3, insert “in accordance with the General Administrative Rules (675 IAC 12)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-322; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-323 Section 3801.4; records**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 323. Delete Section 3801.4 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-323; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-324 Section 3803.2.1.2; construction and temporary heating**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 324. In Section 3803.2.1.2, after “portable” and before “containers”, insert “LP gas”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-324; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-325 Section 3804.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 325. In Section 3804.1, delete “and be subject to the approval of the code official”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-325; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-326 Section 3804.2; maximum capacity within established limits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 326. Delete the exception in Section 3804.2. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-326; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-327 Section 3805.2; release to atmosphere**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 327. In Section 3805.2, delete the text after “except” and substitute “as provided by NFPA 58 (675 IAC 22-2.2-17)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-327; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-328 Section 3806.1; attendants**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 328. In Section 3806.1, delete “a qualified attendant” and substitute “qualified personnel”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-328; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3022*)

**675 IAC 22-2.3-329 Section 3807.2; smoking and other sources of ignition**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 329. Change Section 3807.2 to read as follows: NO SMOKING signs complying with Section 310 shall be posted. Smoking within twenty-five (25) feet (seven thousand six hundred twenty-five (7,625) mm) of a point of transfer, while filling operations are in progress at containers or vehicles, shall be prohibited. Control of other sources of ignition shall comply with NFPA 58 (675 IAC 22-2.2-17). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-329; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-330 Section 3809.7; storage in basement, pit, or similar location**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 330. In Section 3809.7, after “underfloor” and before “spaces”, add “crawl”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-330; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-331 Section 3809.12; location of storage outside of buildings**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 331. Delete Section 3809.12 and substitute to read as follows: Storage outside of buildings, for containers awaiting use, resale, or part of a cylinder exchange program, shall be located and protected in accordance with NFPA 58 (675 IAC 22-2.2-17). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-331; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-331.1 Section 3811.2; unattended parking**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 331.1. Delete the text of Section 3811.2 and substitute to read: The unattended parking of LP-gas tank vehicles shall be in accordance with Section 3406.6.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-331.1; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-332 Section 3901.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 332. Delete 3901.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-332; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-333 Section 4001.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 333. Delete Section 4001.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-333; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-334 Section 4101.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 334. Delete 4101.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-334; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-335 Section 4201.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 335. Delete Section 4201.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-335; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-336 Section 4301.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 336. Delete Section 4301.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-336; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-337 Section 4401.2; permits**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 337. Delete Section 4401.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-337; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-338 Appendix A; board of appeals**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 338. Delete Appendix A Board of Appeals. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-338; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023*)

**675 IAC 22-2.3-339 Appendix A - 1; life safety requirements for existing buildings other than high-rise and appendix A - 2; life safety requirements for existing high-rise buildings**

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Sec. 339. (a) Add Appendix A - 1; life safety requirements for existing buildings other than high-rise as follows:

APPENDIX A - 1

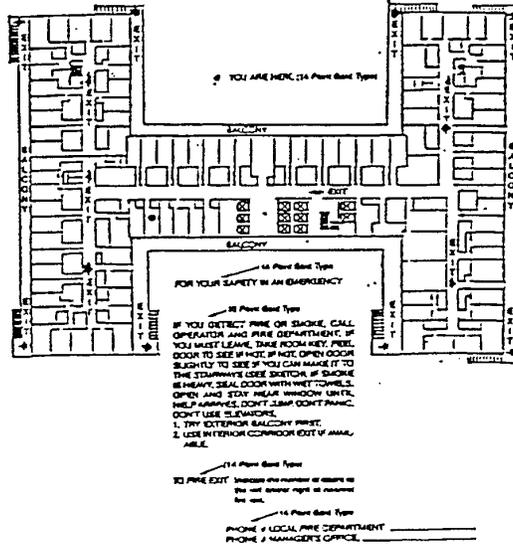
Appendix A - 1 Emergency Escape Plan

Delete title and text of Appendix A - 1 and substitute the following:

Appendix A - 1

Emergency Escape Plan Sign Sample

(per Section 12.111)



(b) Add Appendix A - 2 as follows:

APPENDIX A - 2 Emergency Information

Delete title and text of Appendix A - 2 and substitute the following:

Appendix A - 2

Emergency Information Sign Samples

(per Section 12.111)

72 Point Bold Capitals  
**IN CASE OF FIRE**

24 Point Bold  
**If you smell smoke or the alarm sounds:**

18 Point Bold  
Call Fire Department and Manager's Office  
Prepare to leave room  
Get Dressed - including shoes  
Take your apartment key - you might need to get back in  
Feel bedroom door  
If cool, open it slightly to see if there is any smoke  
If clear, proceed to nearest exit  
If door is hot, stay in room  
Evacuate through a bedroom window, if possible

24 Point Bold  
**Keep Calm - Don't Panic**

18 Point Bold  
Fire Department Number \_\_\_\_\_  
Manager's Office Number \_\_\_\_\_

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-339; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3023)

**675 IAC 22-2.3-340 Appendices B through G**

Authority: IC 22-13-2-2  
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 340. The following appendices are not adopted but may be used for information purposes only:

- (1) Appendix B; fire-flow requirements for buildings.
- (2) Appendix C; fire hydrant locations and distribution.
- (3) Appendix D; fire apparatus access roads.
- (4) Appendix E; hazard categories.
- (5) Appendix F; hazard ranking.
- (6) Appendix G; cryogenic fluids—weight and volume equivalents.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-340; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3024)

**675 IAC 22-2.3-341 Appendix VI-F; recommended separation distances for explosives**

Authority: IC 22-13-2-2  
Affected: IC 22-11-14; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 341. (a) Portions of this work are reproduced from the 1997 edition of the Uniform Fire Code, Appendix VI-F, copyright© 1997, with the permission of the publisher, the International Conference of Building Officials. ICBO assumes no responsibility for the accuracy or completion of summaries provided therein.

(b) Appendix VI-F to read as follows:

APPENDIX VI-F  
RECOMMENDED SEPARATION DISTANCES FOR EXPLOSIVE MATERIALS

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

(See Chapter 33)

The following information is provided as reference information for application of Chapter 33 and IC 22-11-14.

The information provided in Section 1 is excerpted from federal regulations in 49 CFR, Parts 171-173. A discussion of the new regulations is also provided.

Table A-VI-F-5 is reprinted with permission of the Institute of Makers of Explosives with the provision that the entire table, complete with all explanatory footnotes, be printed. Table A-VI-F-5 is used for magazines containing high explosives or a combination of high explosives and low explosives, and for magazines containing blasting agents.

TABLE A-VI-F-2 - DEFINITIONS FOR DIVISIONS OF CLASS 1 (EXPLOSIVE) MATERIALS

DIVISION	DEFINITION
1.1	Explosives that have a mass hazard explosion. A mass explosion <i>[sic.]</i> is one which affects almost the entire load instantaneously. (Examples include dynamite, cap-sensitive water gels, slurries, emulsions, and cast boosters.)
1.2	Explosives that have a projection hazard but not a mass explosion hazard. (Examples include ammunition, projectiles, and bombs.)
1.3	Explosives that have a fire hazard and either a minor blast hazard or a minor projection hazard, or both, but not a mass explosion hazard. (Examples include some propellants, some fireworks, and flares.)
1.4	Explosive devices that present a minor explosion hazard. External fire must not cause virtually instantaneous explosion of almost the entire contents of the package. (Examples include some detonators and detonating cords, safety fuse, electric squibs, igniters, igniting <i>[sic.]</i> cord, and some fireworks.)
1.5	Very insensitive explosives. This division is comprised of substances which have a mass explosion hazard but are so insensitive that there is very little probability of initiation or of transition from burning to detonation under normal conditions of transport. (Examples include blasting agents.)
1.6	Extremely insensitive <i>[sic.]</i> articles which do not have a mass explosion hazard. This division is comprised of articles which contain only extremely insensitive detonation substances and which demonstrate a negligible probability of accidental initiation or propagation. (This division is not commonly used for commercial explosives.)

TABLE A-VI-F-3 - COMPARISON OF OLD TO CURRENT EXPLOSIVES CLASSIFICATIONS

CLASS A EXPLOSIVES	May be either DIVISION 1.1 or 1.2 depending of the material
CLASS B EXPLOSIVES	May be either DIVISION 1.2 or 1.3 depending of the material
CLASS C EXPLOSIVES	DIVISION 1.4
BLASTING AGENTS	DIVISION 1.5
(NO APPLICABLE CLASS)	DIVISION 1.6

TABLE A-VI-F-4 - EXPLOSIVES COMPATIBILITY GROUPS

DESCRIPTION OF SUBSTANCES OR ARTICLE TO BE CLASSIFIED	COMPATIBILITY GROUP	CLASSIFICATION CODE
Primary explosive substance.	A	1.1A
Article containing a primary explosive substance and not containing two or more effective protective substances.	B	1.1B 1.2B 1.4B
Propellant explosive substance or other deflagrating explosive substance or article containing such explosive substance.	C	1.1C 1.2C 1.3C 1.4C

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Secondary detonating explosive substance or black powder or article containing a secondary detonating explosive substance, in each case without means of initiation and without a propelling charge, or article containing a primary explosive substance and containing two or more effective protective features.	D	1.1D 1.2D 1.4D 1.5D
Article containing a secondary detonating explosive substance, without means of initiation, with a propelling charge (other than one containing flammable liquid or hypergolic liquid).	E	1.1E 1.2E 1.4E
Article containing a secondary detonating explosive substance with its means of initiation, with a propelling charge (other than one containing flammable liquid or hypergolic liquid) or without a propelling charge.	F	1.1F 1.2F 1.3F 1.4F
Pyrotechnic substance or article containing a pyrotechnic substance, or article containing both an explosive substance and an illuminating, incendiary, tear-producing, or smoke-producing substance (other than a water-activated article or one containing white phosphorus, phosphide, or flammable liquid or gel or hypergolic liquid).	G	1.1G 1.2G 1.3G 1.4G
Article containing both an explosive substance and white phosphorus.	H	1.2H 1.3H
Article containing both an explosive substance and flammable liquid or gel.	J	1.1J 1.2J 1.3J
Article containing both an explosive substance and a toxic chemical agent.	K	1.2K 1.3K
Explosive substance or article containing an explosive substance and presenting a special risk (e.g., due to water-activation or presence of hypergolic liquids, phosphides, or pyrophoric substances) needing isolation of each type.	L	1.1L 1.2L 1.3L
Articles containing only extremely insensitive detonating substances.	N	1.6N
Substance or article so packed or designed that any hazardous effects arising from accidental functioning are limited to the extent that they do not significantly hinder or prohibit fire fighting or other emergency response efforts in the immediate vicinity of the package.	S	1.4S

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**TABLE A-VI-F-5—AMERICAN TABLE OF DISTANCES FOR STORAGE OF EXPLOSIVE MATERIALS**  
As Revised and Approved by the Institute of Makers of Explosives—June 1991<sup>14</sup>

QUANTITY OF EXPLOSIVE MATERIALS <sup>1,2,3,4,15</sup>		DISTANCES IN FEET							
		× 304.8 for mm							
		Inhabited Buildings <sup>9</sup>		Public Highways with Traffic Volume of less than 3,000 Vehicles per Day		Passenger Railways—Public Highways with Traffic Volume of more than 3,000 Vehicles/Day <sup>10,11</sup>		Separation of Magazines <sup>5, 12</sup>	
Pounds Over	Pounds Not Over	Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded
× 0.454 for kg		Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded
0	5	70	140	30	60	51	102	6	12
5	10	90	180	35	70	64	128	8	16
10	20	110	220	45	90	81	162	10	20
20	30	125	250	50	100	93	186	11	22
30	40	140	280	55	110	103	206	12	24
40	50	150	300	60	120	110	220	14	28
50	75	170	340	70	140	127	254	15	30
75	100	190	380	75	150	139	278	16	32
100	125	200	400	80	160	150	300	18	36
125	150	215	430	85	170	159	318	19	38
150	200	235	470	95	190	175	350	21	42
200	250	255	510	105	210	189	378	23	46
250	300	270	540	110	220	201	402	24	48
300	400	295	590	120	240	221	442	27	54
400	500	320	640	130	260	238	476	29	58
500	600	340	680	135	270	253	506	31	62
600	700	355	710	145	290	266	522	32	64
700	800	375	750	150	300	278	556	33	66
800	900	390	780	155	310	289	578	34	70
900	1,000	400	800	160	320	300	600	36	72
1,000	1,200	425	850	165	330	318	636	39	78
1,200	1,400	450	900	170	340	336	672	41	82
1,400	1,600	470	940	175	350	351	702	43	86
1,600	1,800	490	980	180	360	366	732	44	88
1,800	2,000	505	1,010	185	370	378	756	45	90
2,000	2,500	545	1,090	190	380	408	816	49	98
2,500	3,000	580	1,160	195	390	432	864	52	104
3,000	4,000	635	1,270	210	420	474	949	58	116
4,000	5,000	685	1,370	225	450	513	1,026	61	122
5,000	6,000	730	1,460	235	470	546	1,092	65	130
6,000	7,000	770	1,540	245	490	573	1,146	68	136
7,000	8,000	800	1,600	250	500	600	1,200	72	144
8,000	9,000	835	1,670	255	510	624	1,248	75	150
9,000	10,000	865	1,730	260	520	645	1,290	78	156
10,000	12,000	875	1,750	270	520	687	1,374	82	164
12,000	14,000	885	1,770	275	550	723	1,446	87	174
14,000	16,000	900	1,800	280	560	756	1,512	90	180
16,000	18,000	940	1,880	285	570	786	1,572	94	188
18,000	20,000	975	1,950	290	580	813	1,626	98	196
20,000	25,000	1,055	2,000	315	630	876	1,752	105	210
25,000	30,000	1,130	2,000	340	680	933	1,866	112	224
30,000	35,000	1,205	2,000	360	720	981	1,962	119	238
35,000	40,000	1,275	2,000	380	760	1,026	2,000	124	248
40,000	45,000	1,340	2,000	400	800	1,068	2,000	129	258
45,000	50,000	1,400	2,000	420	840	1,104	2,000	135	270
50,000	55,000	1,460	2,000	440	880	1,140	2,000	140	280
55,000	60,000	1,515	2,000	455	910	1,173	2,000	145	290
60,000	65,000	1,565	2,000	470	940	1,206	2,000	150	300
65,000	70,000	1,610	2,000	485	970	1,236	2,000	155	310
70,000	75,000	1,655	2,000	500	1,000	1,263	2,000	160	320
75,000	80,000	1,695	2,000	510	1,020	1,293	2,000	165	330
80,000	85,000	1,730	2,000	520	1,040	1,317	2,000	170	340
85,000	90,000	1,760	2,000	530	1,060	1,344	2,000	175	350
90,000	95,000	1,790	2,000	540	1,080	1,368	2,000	180	360
95,000	100,000	1,815	2,000	545	1,090	1,392	2,000	185	370
100,000	110,000	1,835	2,000	550	1,100	1,437	2,000	195	390
110,000	120,000	1,855	2,000	555	1,110	1,479	2,000	205	410
120,000	130,000	1,875	2,000	560	1,120	1,521	2,000	215	430
130,000	140,000	1,890	2,000	565	1,130	1,557	2,000	225	450
140,000	150,000	1,900	2,000	570	1,140	1,593	2,000	235	470

(Continued)

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**TABLE A-VI-F-5—AMERICAN TABLE OF DISTANCES FOR STORAGE OF EXPLOSIVE MATERIALS—(Continued)**  
**As Revised and Approved by the Institute of Makers of Explosives—June 1991<sup>14</sup>**

QUANTITY OF EXPLOSIVE MATERIALS <sup>1,2,3,4,15</sup>		DISTANCES IN FEET							
		× 304.8 for mm							
		Inhabited Buildings <sup>9</sup>		Public Highways with Traffic Volume of less than 3,000 Vehicles per Day		Passenger Railways—Public Highways with Traffic Volume of more than 3,000 Vehicles/Day <sup>10,11</sup>		Separation of Magazines <sup>5, 12</sup>	
Pounds Over	Pounds Not Over	Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded	Barricaded <sup>6,7,8</sup>	Unbarricaded
× 0.454 for kg									
150,000	160,000	1,935	2,000	580	1,160	1,629	2,000	245	490
160,000	170,000	1,990	2,000	590	1,180	1,662	2,000	255	510
170,000	180,000	2,010	2,000	600	1,200	1,695	2,000	265	530
180,000	190,000	2,030	2,010	605	1,210	1,725	2,000	275	550
190,000	200,000	2,055	2,030	610	1,220	1,755	2,000	285	570
200,000	210,000	2,055	2,055	620	1,240	1,762	2,000	295	590
210,000	230,000	2,100	2,100	635	1,270	1,836	2,000	315	630
230,000	250,000	2,155	2,155	650	1,300	1,890	2,000	335	670
250,000	275,000	2,215	2,215	670	1,340	1,950	2,000	360	720
275,000	300,000 <sup>13</sup>	2,275	2,275	690	1,380	2,000	2,000	385	770

<sup>1</sup>“Explosive materials” means explosives, blasting agents and detonators.

<sup>2</sup>“Explosives” means any chemical compound, mixture or device, the primary or common purpose of which is to function by explosion. A list of explosives determined to be within the coverage of 18 USC Chapter 40, Importation, Manufacturer, Distribution and Storage of Explosive Materials, is issued at least annually by the director of the Bureau of Alcohol, Tobacco and Firearms of the Department of the Treasury. For quantity and distance purposes, detonating cord of 50 grains per foot (10.7 g/m) should be calculated as equivalent to 8 pounds (3.6 kg) of high explosives per 1,000 feet (304.8 m). Heavier or lighter core loads should be rated proportionately.

<sup>3</sup>“Blasting agents” means any material or mixture, consisting of fuel and oxidizer, intended for blasting, not otherwise defined as an explosive, provided that the finished product, as mixed for use or shipment, cannot be detonated by means of a No. 8 test blasting cap when unconfined.

<sup>4</sup>“Detonator” means any device containing any initiating or primary explosive that is used for initiating detonation. A detonator may not contain more than 10 grams of total explosives by weight, excluding ignition or delay charges. The term includes, but is not limited to, electric blasting caps of instantaneous and delay types, blasting caps for use within safety fuses, detonating cord delay connectors, and nonelectric instantaneous and delay blasting caps which use detonating cord, shock tube or any other replacement for electric leg wires. All types of detonators in strengths through No. 8 cap should be rated at 1½ pounds (0.68 kg) of explosives per 1,000 caps. For strengths higher than No. 8 cap, consult the manufacturer.

<sup>5</sup>“Magazine” means any building, structure or container, other than an explosives manufacturing building, approved for the storage of explosive materials.

<sup>6</sup>“Natural barricade” means natural features of the ground such as hills, or timber of sufficient density that the surrounding exposures which require protection cannot be seen from the magazine when the trees are bare of leaves.

<sup>7</sup>“Artificial barricade” means an artificial mound or revetted wall of earth of a minimum thickness of 3 feet (914.4 mm).

<sup>8</sup>“Barricaded” means the effective screening of a building containing explosive materials from the magazine or other building, railway or highway by a natural or an artificial barrier. A straight line from the top of any side wall of the building containing explosive materials to the eave line of any magazine or other building or to a point 12 feet (3657.6 mm) above the center of a railway or highway shall pass through such barrier.

<sup>9</sup>“Inhabited building” means a building regularly occupied in whole or part as a habitation for human beings, or any church, schoolhouse, railroad station, store or other structure where people are accustomed to assemble, except any building or structure occupied in connection with the manufacture, transportation, storage or use of explosive materials.

<sup>10</sup>“Railway” means any steam, electric or other railroad or railway which carries passengers for hire.

<sup>11</sup>“Highway” means any public street, public alley or public road.

<sup>12</sup>When two or more storage magazines are located on the same property, each magazine must comply with the minimum distances specified from inhabited buildings, railways and highways, and in addition, they should be separated from each other by not less than the distances shown for “Separation of Magazines,” except that the quantity of explosive materials contained in detonator magazines shall govern in regard to the spacing of said detonator magazines from magazines containing other explosive materials. If any two or more magazines are separated from each other by less than the specified “Separation of Magazines” distances, then such two or more magazines, as a group, must be considered as one magazine, and the total quantity of explosive materials stored in such group must be treated as if stored in a single magazine located on the site of any magazine of the group, and must comply with the minimum of distances specified from other magazines, inhabited buildings, railways and highways.

<sup>13</sup>Storage in excess of 300,000 pounds (136 077.6 kg) of explosive materials in one magazine is generally not required for commercial enterprises.

<sup>14</sup>This table applies only to the manufacture and permanent storage of commercial explosive materials. It is not applicable to transportation of explosives or any handling or temporary storage necessary or incidental thereto. It is not intended to apply to bombs, projectiles or other heavily encased explosives.

<sup>15</sup>When a manufacturing building on an explosive materials plant site is designed to contain explosive materials, such building shall be located from inhabited buildings, public highways and passenger railways in accordance with Table A-VI-F-5 based on the maximum quantity of explosive materials permitted to be in the building at one time.

NOTE: The American Table of Distances (Table A-VI-F-5) is reprinted by permission of the Institute of Makers of Explosives with the provision that the entire table, complete with all explanatory footnotes, be printed.

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TABLE A-VI-F-6—TABLE OF RECOMMENDED SEPARATION DISTANCES OF AMMONIUM NITRATE AND BLASTING AGENTS FROM EXPLOSIVES OR BLASTING AGENTS<sup>1,5</sup>

DONOR WEIGHT		MINIMUM SEPARATION DISTANCE OF ACCEPTOR WHEN BARRICADED <sup>2</sup> (feet)		MINIMUM THICKNESS OF ARTIFICIAL BARRICADES <sup>6</sup> (inches)
Pounds Over x 0.454 for kg	Pounds Not Over	x 304.8 for mm		
		Ammonium Nitrate <sup>3</sup>	Blasting Agent <sup>4</sup>	x 25.4 for mm
100	100	3	11	12
300	300	4	14	12
600	600	5	18	12
1,000	1,000	6	22	12
	1,600	7	25	12
1,600	2,000	8	29	12
2,000	3,000	9	32	15
3,000	4,000	10	36	15
4,000	6,000	11	40	15
6,000	8,000	12	42	20
8,000	10,000	13	47	20
10,000	12,000	14	50	20
12,000	16,000	15	54	25
16,000	20,000	16	58	25
20,000	25,000	18	65	25
25,000	30,000	19	68	30
30,000	35,000	20	72	30
35,000	40,000	21	76	30
40,000	45,000	22	79	35
45,000	50,000	23	83	35
50,000	55,000	24	86	35
55,000	60,000	25	90	35
60,000	70,000	26	94	40
70,000	80,000	28	101	40
80,000	90,000	30	108	40
90,000	100,000	32	115	40
100,000	120,000	34	122	50
120,000	140,000	37	133	50
140,000	160,000	40	144	50
160,000	180,000	44	158	50
180,000	200,000	48	173	50
200,000	220,000	52	187	60
220,000	250,000	56	202	60
250,000	275,000	60	216	60
275,000	300,000	64	230	60

<sup>1</sup>Recommended separation distances to prevent explosion of ammonium nitrate and ammonium nitrate-based agents by propagation from nearby stores of high explosives or blasting agents referred to in Table A-VI-F-6 as the "donor." Ammonium nitrate, by itself, is not considered to be a donor when applying Table A-VI-F-6. Ammonium nitrate, ammonium nitrate-fuel oil or combination thereof are acceptors. If stores of ammonium nitrate are located within the sympathetic detonation distance of explosives or blasting agents, one-half the mass of the ammonium nitrate should be included in the mass of the donor.

<sup>2</sup>When the ammonium nitrate or blasting agent is not barricaded, the distances shown in Table A-VI-F-6 shall be multiplied by six. These distances allow for the possibility of high velocity metal fragments from mixers, hoppers, truck bodies, sheet metal structures, metal containers and the like which may enclose the "donor." Where storage is in bullet-resistant magazines recommended for explosives or where the storage is protected by a bullet-resistant wall, distances and barricade thicknesses in excess of those prescribed in Table A-VI-F-5, Footnote 7, are not required. For construction of bullet-resistant magazines, see Article 77.

<sup>3</sup>The distances in Table A-VI-F-6 apply to ammonium nitrate that passes the insensitivity test prescribed in the definition of ammonium nitrate fertilizer promulgated by the Fertilizer Institute (Definitions and Test Procedures for Ammonium Nitrate Fertilizer, Fertilizer Institute 1964); and ammonium nitrate failing to pass said test shall be stored at separation distances determined by competent persons and approved by the authority having jurisdiction.

<sup>4</sup>These distances apply to blasting agents which pass the insensitivity test prescribed in regulations of the United States Department of Transportation and the United States Department of the Treasury, Bureau of Alcohol, Tobacco and Firearms.

<sup>5</sup>Earth, or sand dikes, or enclosures filled with the prescribed minimum thickness of earth or sand are acceptable artificial barricades. Natural barricades, such as hills or timber of sufficient density that the surrounding exposures which require protection cannot be seen from the "donor" when the trees are bare of leaves, are also acceptable.

<sup>6</sup>For determining the distances to be maintained from inhabited buildings, passenger railways and public highways, see Table A-VI-F-5 (High Explosives and Blasting Agents) or Table A-VI-F-7 (Low Explosives).

TABLE A-VI-F-7  
TABLE OF DISTANCES FOR STORAGE OF LOW EXPLOSIVES

LOW EXPLOSIVES (pounds)		FROM INHABITED BUILDING DISTANCE (feet)	FROM PUBLIC RAILROAD AND HIGHWAY DISTANCE (feet)	FROM ABOVEGROUND MAGAZINE (feet)
x 0.454 for kg				
Over	Not Over	x 304.8 for mm		
0	1,000	75	75	60
1,000	5,000	115	115	75
5,000	10,000	130	130	100
10,000	20,000	180	180	225
20,000	30,000	215	215	145
30,000	40,000	235	235	155
40,000	50,000	250	250	165
50,000	60,000	260	260	175
60,000	70,000	270	270	185
70,000	80,000	300	300	190
80,000	90,000	325	325	195
90,000	100,000	350	350	200
100,000	200,000	375	375	250
200,000	300,000	400	400	300

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TABLE A-VI-F-8—DISTANCES FOR THE OPEN BURNING OF EXPLOSIVES<sup>1</sup>

QUANTITY OF EXPLOSIVES <sup>2,3,4,5</sup> (Net Over)	MINIMUM DISTANCE IN FEET						
	× 304.8 for mm						
	Inhabited Buildings <sup>8</sup>		Public Highways with Traffic Volume of less than 3,000 Vehicles per Day <sup>10</sup>		Passenger Railways and Public Highways with Traffic Volume more than 3,000 Vehicles per Day <sup>10,11</sup>		Separation From Other Open Burning Units
Pounds × 0.454 for kg	No Missile Hazard	Missile Hazard Without Barricade <sup>6,7,9</sup>	No Missile Hazard	Missile Hazard Without Barricade <sup>6,7,9</sup>	No Missile Hazard	Missile Hazard Without Barricade <sup>6,7,9</sup>	
10	90	180	35	70	64	128	8
20	110	220	45	90	81	162	10
50	150	300	60	120	110	220	14
75	170	340	70	140	127	254	15
100	190	380	75	150	139	278	16
250	255	510	105	210	189	378	23
500	320	640	130	260	238	476	29
1,000	400	800	160	320	300	600	36
1,600	470	940	175	350	351	702	43
2,000	505	1,010	185	370	378	756	45
2,500	545	1,090	190	380	408	816	49
3,000	580	1,160	195	390	432	864	52
4,000	635	1,270	210	420	474	948	58
5,000	685	1,370	225	450	513	1,026	61
6,000	730	1,460	235	470	546	1,092	65
7,000	770	1,540	245	490	573	1,146	68
8,000	800	1,600	250	500	600	1,200	72
9,000	835	1,670	255	510	624	1,248	75
10,000	865	1,730	260	520	645	1,290	78

<sup>1</sup>This table is intended only for application of open burning of commercial explosive materials. The distances stated in this table should be measured from the center of the unit, except for separations from other open burning units, which are measured from the edge of the unit.

<sup>2</sup>Explosive materials<sup>2</sup> means any explosive, slurry, emulsion, detonating cord, blasting agents and detonators.

<sup>3</sup>Explosives<sup>3</sup> means any chemical compound, mixture or device, the primary or common purpose of which is to function by explosion. A list of explosives determined to be within the coverage of 18 U.S.C. Chapter 40, Importation, Manufacture, Distribution and Storage of Explosive Material, is issued at least annually by the director of the Bureau of Alcohol, Tobacco and Firearms of the Department of the Treasury. For quantity and distance purposes, detonating cord of 50 grains per foot (10.7 g/m) should be calculated as equivalent to 8 pounds (3.6 kg) of high explosives per 1,000 feet (304.8 m). Heavier or lighter core loads should be rated proportionally.

<sup>4</sup>Blasting agents<sup>4</sup> means any material or mixture, consisting of fuel and oxidizer, intended for blasting, not otherwise defined as an explosive, provided the finished product, as mixed for use or shipment, cannot be detonated by means of a No. 8 test blasting cap when unconfined.

<sup>5</sup>Detonator<sup>5</sup> means any device containing any initiating or primary explosive that is used for initiating detonation. A detonator may not contain more than 10 grams of total explosives by weight, excluding ignition or delay charges. The term includes, but is not limited to, electric blasting caps of instantaneous and delay blasting caps which use detonating cord, shock tube or any other replacement for electric wires. All types of detonators in strengths through No. 8 cap should be rated at 1 1/2 pounds (0.68 kg) of explosives per 1,000 caps. For strengths higher than No. 8 cap, consult the manufacturer.

<sup>6</sup>Natural barricade<sup>6</sup> means natural features of the ground, such as hills, or timber of sufficient density that the surrounding exposures that require protection cannot be seen from the magazine when the trees are bare of leaves.

<sup>7</sup>Artificial barricade<sup>7</sup> means an artificial mound or revetted wall of earth of a minimum thickness of 3 feet (914.4 mm).

<sup>8</sup>Barricaded<sup>8</sup> means the effective screening of a building containing explosive materials from the magazine or other building, OB/OD site, railway or highway by a natural or an artificial barrier. A straight line from the top of any sidewall of the building containing explosive materials to the eave line of any magazine or other building or to a point 12 feet (3657.6 mm) above the center of a railway or highway shall pass through such a barrier.

<sup>9</sup>Inhabited building<sup>9</sup> means a building, regularly occupied in whole or part as a habitation for human beings, or any church, schoolhouse, railroad station, store, or other structure where people are accustomed to assemble. This does not mean any office, warehouse, production, laboratory or other buildings that are a part of the facility where the open burning or open detonation sites are located.

<sup>10</sup>Highway<sup>10</sup> means any public street, public alley or public road.

<sup>11</sup>Railway<sup>11</sup> means any steam, electric or other railroad or railway which carries passengers for hire.

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

TABLE A-VI-F-9—DISTANCES FOR THE OPEN DETONATION OF EXPLOSIVES<sup>1</sup>

QUANTITY OF EXPLOSIVES <sup>2,3,4,5</sup> (Not Over)	MINIMUM DISTANCE IN FEET							
	= 304.8 for mm							
	Inhabited Building <sup>6</sup>		Public Highways with Traffic Volume of less than 3,000 Vehicles per Day <sup>7</sup>		Passenger Railways and Public Highways with Traffic Volume of more than 3,000 Vehicles per Day <sup>8,9</sup>		Separation from Other Open Detonation Units	
Pounds < 0.484 for kg	No Missile Hazard	Missile Hazard without Barricade <sup>4,7,a</sup>	No Missile Hazard	Missile Hazard without Barricade <sup>4,7,a</sup>	No Missile Hazard	Missile Hazard without Barricade <sup>4,7,a</sup>	No Missile Hazard	Missile Hazard without Barricade <sup>4,7,a</sup>
1	730	730	325	325	480	480	6	12
2	920	920	410	410	600	600	6	12
5	1,250	1,250	550	550	820	820	6	12
10	1,600	1,600	695	695	1,030	1,030	8	16
20	1,990	1,990	875	875	1,295	1,295	10	20
50	2,700	2,700	1,190	1,190	1,760	1,760	14	28
75	3,080	3,080	1,360	1,360	2,015	2,015	15	30
100	3,400	3,400	1,500	1,500	2,220	2,220	16	32
150	3,900	3,900	1,715	1,715	2,535	2,535	19	38
200	4,275	4,275	1,890	1,890	2,795	2,795	21	42
300	4,900	4,900	2,160	2,160	3,200	3,200	24	48
400	5,400	5,400	2,380	2,380	3,520	3,520	27	54
500	5,800	5,800	2,560	2,560	3,790	3,790	29	58

<sup>1</sup>Table A-VI-F-9 is intended only for application of open detonation of commercial explosive materials. The distances stated in Table A-VI-F-9 should be measured from the center of the unit, except for separations from other open detonation units, which are measured from the edge of the unit.

<sup>2</sup>Explosive materials<sup>2</sup> means any explosive, slurry, emulsion, detonating cord, blasting agents and detonators.

<sup>3</sup>Explosives<sup>3</sup> means any chemical compound, mixture or device, the primary or common purpose of which is to function by explosion. A list of explosives determined to be within the coverage of 18 U.S.C. Chapter 40, Importation, Manufacture, Distribution and Storage of Explosive Material, is issued at least annually by the director of the Bureau of Alcohol, Tobacco and Firearms of the Department of the Treasury. For quantity and distance purposes, detonating cord of 50 grains per foot (10.7 g/m) should be calculated as equivalent to 8 pounds (3.6 kg) of high explosives per 1,000 feet (304.8 m). Heavier or lighter core loads should be rated proportionally.

<sup>4</sup>Blasting agents<sup>4</sup> means any material or mixture, consisting of fuel and oxidizer, intended for blasting, not otherwise defined as an explosive, provided the finished product, as mixed for use or shipment, cannot be detonated by means of a No. 8 test blasting cap when unconfined.

<sup>5</sup>Detonator<sup>5</sup> means any device containing any initiating or primary explosive that is used for initiating detonation. A detonator may not contain more than 10 grams of total explosives by weight, excluding ignition or delay charges. The term includes, but is not limited to, electric blasting caps of instantaneous and delay blasting caps which use detonating cord, shock tube or any other replacement for electric wires. All types of detonators in strengths through No. 8 cap should be rated at 1 1/2 pounds (0.68 kg) of explosives per 1,000 caps. For strengths higher than No. 8 cap, consult the manufacturer.

<sup>6</sup>Natural barricade<sup>6</sup> means natural features of the ground, such as hills, or timber of sufficient density that the surrounding exposures that require protection cannot be seen from the magazine when the trees are bare of leaves.

<sup>7a</sup>Artificial barricade<sup>7a</sup> means an artificial mound or revetted wall of earth of a minimum thickness of 3 feet (914.4 mm).

<sup>8</sup>Barricaded<sup>8</sup> means the effective screening of a building containing explosive materials from the magazine or other building, OB/OD site, railway or highway by a natural or an artificial barrier. A straight line from the top of any sidewall of the building containing explosive materials to the eave line of any magazine or other building or to a point 12 feet (3657.6 mm) above the center of a railway or highway shall pass through such a barrier.

<sup>9</sup>Inhabited building<sup>9</sup> means a building, regularly occupied in whole or part as a habitation for human beings, or any church, schoolhouse, railroad station, store, or other structure where people are accustomed to assemble. This does not mean any office, warehouse, production, laboratory or other buildings that are a part of the facility where the open burning or open detonation sites are located.

<sup>10</sup>Highway<sup>10</sup> means any public street, public alley or public road.

<sup>11</sup>Railway<sup>11</sup> means any steam, electric or other railroad or railway which carries passengers for hire.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.3-341; filed Apr 17, 2003, 5:00 p.m.: 26 IR 3024)

ARTICLE 23. RECREATIONAL FACILITIES

Rule 1. Amusement Device Code

675 IAC 23-1-1 Title, purpose, availability

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 1. (a) Title. This rule (675 IAC 23-1) shall be known as the Indiana Amusement Device Code, and shall be published by the Fire and Building Services Department for general use and distribution under that title. Whenever the term "this code" is used throughout this rule (675 IAC 23-1) it shall mean the Indiana Amusement Device Code.

(b) Purpose. The purpose of this code is to establish and provide for the administration of an inspection program to regulate amusement devices; set minimum standards in order to secure public safety, health and general welfare through structural strength, stability and safety to life and property hazards incidental to the installation, alteration, repair, removal and operation of amusement devices; and to establish a schedule of reasonable inspection fees for amusement devices, based on the size and complexity of the device.

(c) Availability. This rule (675 IAC 23-1) is available for purchase from the Fire and Building Services Department, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204. (Fire Prevention and Building Safety Commission; 675 IAC 23-1-1; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3898; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-1-2 Administration, Part I; scope

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. The provisions of Administration, Part I; (675 IAC 23-1-2 through 675 IAC 23-1-21) of this code establishes a program for the inspection of amusement devices and provides for the administration of that program. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-2; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-3 Exempted devices**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7  
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 3. The following amusement devices are ordinary forms of transportation and therefore are exempt from the provisions of this code:

- (1) Buses, trolleys or similar ground vehicular transportation devices used within an amusement park, carnival or fair, designed to transport people and not used for the purpose of amusement or viewing of the amusement park.
- (2) Sightseeing boats and similar water transportation devices.
- (3) Helicopters, hot air balloons, airplanes, and similar air transportation devices.

(*Fire Prevention and Building Safety Commission; 675 IAC 23-1-3; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3899; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-4 Definitions**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7  
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 4. For the purposes of this code, the following terms shall have the meaning indicated.

"ACCEPTED ENGINEERING PRACTICE" means that which conforms to accepted principles, tests, or standards of nationally recognized technical or scientific authorities.

"AMUSEMENT DEVICE" means a device designed to carry or convey one (1) or more persons in one (1) or more planes or degrees of motion for the purpose of amusement, recreation, or entertainment. The term includes an amusement ride. Passenger tramways, aerial tramways and lifts, surface lifts and tows fall within this definition of amusement device. Passenger operated devices such as go-carts, pedal boats and bicycles are not within this definition.

"AMUSEMENT PARK" means a tract or area used principally as a permanent location for amusement devices, rides and structures.

"APPROVED" means acceptable to the state building commissioner or an inspector.

"ATTENDANT" means the individual contracted or the employee who physically operates the amusement device.

"CARNIVAL" means an enterprise offering amusement or entertainment to the public in, upon, or by means of portable amusement devices.

"COMMISSIONER" means the state building commissioner.

"CONTAINING DEVICE" means a strap, belt, bar, gate or other safety device designed to prevent accidental or inadvertent dislodgment of a passenger from a ride or device, but which does not actually provide physical support.

"CONVEY" means to bear from one place to another, to carry or transport.

"CRITICAL COMPONENTS" means a component or system of components that, due to their importance in the continued proper operation of the device, have been designated by the manufacturer as requiring special fabrication, maintenance, inspection or operation.

"DEVICE" see amusement device.

"FAIR" means an enterprise principally devoted to the exhibition of products of agriculture or industry in connection with the operation of amusement.

"FIRST AID" means the one-time treatment or subsequent observation of scratches, cuts, splinters or contusions not requiring more than approximately ten (10) stitches, diagnostic procedures including examination and x-rays which does not ordinarily require medical treatment even though provided by a physician or other licensed professional personnel.

"INSPECTION SEAL" means the seal that is affixed to the amusement ride or device by an inspector after successfully passing the annual inspection.

"INSPECTIONS":

"ANNUAL INSPECTION" means the official, first use, yearly inspection made by the commissioner or an inspector, for the purpose of determining if the amusement device is in safe operating condition for use in that calendar year.

"PERIODIC ONSITE INSPECTION" means an unscheduled inspection performed by the commissioner, an inspector or a local building official, to determine if the device has a valid operating permit, if any damage has occurred and to check for proper maintenance and operation of the ride or device.

"REINSPECTION" means an inspection, other than the annual inspection or the periodic onsite inspection, made during the current season, of an amusement device as a result of a sealed out of service order.

"SUBSEQUENT INSPECTION" means an annual inspection which has been rescheduled because of improper previous notice from the operator.

"INSPECTOR" means an employee of the Fire and Building Services Department qualified to inspect for compliance with this code.

"MAJOR BREAKDOWN" means damage, failure or breakage of a structural or stress bearing part of a device.

"MAJOR MODIFICATION" means any change in either the structural or operational characteristics of the device which will alter its performance from that specified in the manufacturer's design criteria.

"OPERATING PERMIT" means the inspection seal that is affixed to the amusement device by an inspector and identifies the device as officially approved to operate in Indiana.

"OPERATOR" means the owner, or the agent of the owner, who has custody or control of an amusement device.

"PERMANENT AMUSEMENT DEVICE" means an amusement device that is erected to remain a lasting part of the premises.

"PORTABLE AMUSEMENT DEVICE" means an amusement device that is relocated from time to time with or without disassembly.

"PROPERLY MAINTAINED" means assembling, disassembling, transporting and operating amusement devices in accordance with this code, manufacturer's recommendations, nationally recognized standards, and recognized practice. Properly maintained also means lubricating, greasing, oiling, testing and repairing of parts at specified time intervals in accordance with the recommended practices and procedures.

"REGULATED AMUSEMENT DEVICE" means the same as "Amusement Device".

"RESTRAINING DEVICE" means a safety belt, harness, chain, bar or other device which affords actual physical support, retention, or restraint to the passenger of an amusement device.

"SAFETY RETAINER" means a secondary safety cable, bar attachment or other device designed to prevent parts of an amusement device from becoming disengaged from the mechanism or from tipping or tilting in a manner to cause a hazard to persons riding on, or in the vicinity of an amusement device.

"SERIOUS INJURY" means an injury that requires medical treatment, other than first aid by a physician.

"SHALL" or "MUST" means the provision is mandatory. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-4; filed Sep 19, 1986, 9:15 am: 10 IR 239, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3899; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-5 Responsibility for compliance**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. Every operator of an amusement device shall comply with or affect compliance with all provisions of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-5; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-6 Prohibited use**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 6. The operator of an amusement device shall not knowingly or intentionally allow the device to be operated:

- (1) without a valid Indiana operating permit, or
- (2) when it has been sealed out of service, or
- (3) when in violation of this code, or
- (4) without passing the annual inspection, or
- (5) without providing a current certificate of insurance.

Also, no person shall knowingly use, suffer or permit to be used, an amusement device which is not properly assembled or which is defective or unsafe in any of its parts, components or safety equipment. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-6; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3900; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-7 Enforcement**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. (a) The provisions of this code shall be enforced by the state building commissioner.

(b) Local building officials may cooperate with the state building commissioner in the enforcement of the Administration; Part I (675 IAC 23-1-2 through 675 IAC 23-1-21) of this code for the purpose of periodic onsite inspections.

(c) Correction orders and sealed out of service orders shall only be issued by an inspector, as defined in this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-7; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-8 Powers and duties**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 8. (a) The inspector may enter any amusement device, park or premise at all reasonable times to make an inspection or enforce any of the provisions of this code.

(b) When entering an amusement device, park or premise that is occupied, the inspector shall first identify himself, present proper credentials and request entry. If the amusement device, park or premise is unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge of the amusement device, park or premise and request entry. If entry is refused, the inspector shall have recourse to every remedy provided by law to secure entry.

(c) No person, owner or operator of any amusement device, park or premise shall fail, after proper credentials are displayed, to permit entry into any amusement device, park or onto any property by the inspector for the purpose of inspections pursuant to this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-8; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-9 Annual operating permit**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 9. No person shall operate an amusement device unless it has been inspected and an annual operating permit has been issued by the state building commissioner. To obtain an annual operating permit the operator must:

- (1) Complete the application for an annual operating permit form in full.
- (2) Pay the inspection fee detailed in the Fee Schedule, Part III (675 IAC 23-1-62 through 675 IAC 23-1-64) of this code.
- (3) The device shall successfully pass the annual inspection.

An amusement device that complies with all of the requirements will have an inspection seal affixed to it by an inspector. The inspection seal will serve as the annual operating permit for that amusement device. No person shall cause to be affixed to an amusement device a valid permit issued for another device.

If the device fails the annual inspection, the inspector will schedule a reinspection. The cost of the reinspection will be one-half (1/2) of the annual inspection fee. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-9; filed Sep 19, 1986, 9:15*

*am: 10 IR 240, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-10 Operating permit form; application**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 10. The application for an annual operating permit form will be provided to the operator, upon request, by the state building commissioner. The operator shall apply for the annual operating permit thirty (30) days prior to the first opening of a device in Indiana. The application form shall provide the required information as follows:

- (1) Name, address and telephone number of operator having custody or control of the amusement device.
- (2) Name, address and telephone number of amusement device owner.
- (3) Name, address and telephone number of representative to be contacted concerning inspection.
- (4) Date of application and name and signature of person making application.
- (5) Identification of each device by a trade or descriptive name and an identification number.
- (6) Address, date and time of first scheduled opening of the device(s) in Indiana.
- (7) Itinerary of all scheduled show dates in Indiana. All itinerary changes shall be reported to the state building commissioner by telephone within twenty-four (24) hours.
- (8) Any additional information deemed necessary by the state building commissioner, for the purposes of scheduling inspections.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-1-10; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-11 Reciprocity (Repealed)**

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 7, 1988, 2:45 pm: 11 IR 3904)*

**675 IAC 23-1-12 Annual inspection**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 12. The state building commissioner shall cause to be inspected each amusement device before its first use in any calendar year. The annual inspection shall be performed to determine to a reasonable degree, that the structural materials and the construction of the amusement device conforms to recognized engineering practices, procedures, standards and manufacturer's specifications. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-12; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-13 Inspection seal**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. An amusement device that successfully passes the annual inspection shall have a seal applied by the inspector, which will serve as the annual operating permit. (Also see 675 IAC 23-1-9.) *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-13; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-14 Periodic onsite inspection**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 14. The state building commissioner shall also cause to be made periodic onsite inspection of the erection and operation of amusement devices, however, no such periodic inspection can be required as a prerequisite for operation. *(Fire Prevention and*

*Building Safety Commission; 675 IAC 23-1-14; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-15 Correction order**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 15. If an inspector finds a condition on the equipment which does not comply with this code, but would not cause harm to persons if not corrected prior to operation, he will issue a correction order. Failure to comply with a correction order shall cause the device to be sealed out of service. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-15; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-16 Sealed out of service**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. If an inspector finds a condition on the amusement device which may cause harm to persons if not corrected prior to operation, he shall seal it out of service. The inspector, on request, shall reinspect the device and if the condition has been corrected, he shall remove the sealed out of service order. If an amusement device must be moved while sealed out of service, the annual inspection seal shall be suspended until the condition is corrected and the equipment has been reinspected. A sealed out of service order supercedes the annual operating permit. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-16; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-17 Subsequent inspection**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7  
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 17. Whenever an inspector goes to a site to perform a scheduled annual inspection, but cannot do so because the operator has failed to prepare the devices for inspection, a subsequent inspection date shall be scheduled and the operator shall be charged a subsequent inspection fee. However, if the operator gives the inspector reasonable notification, prior to the inspector's arrival on the site, no subsequent inspection fee will be charged. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-17; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-18 Reinspections**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 18. Reinspections shall be performed within twenty-four (24) hours of a request for reinspection, or as soon thereafter as practical. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-18; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-19 Inspections; written reports**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 19. Every inspection shall be documented by a written inspection report. Each observed violation of these rules shall be noted on the inspection report. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-19; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-20 Penalty (Repealed)**

Sec. 20. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 7, 1988, 2:45 pm: 11 IR 3904)

**675 IAC 23-1-21 Reporting injuries, deaths and mechanical failures**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 21. (a) Injuries and fatalities shall be reported to the state building commissioner in the following manner:

(1) The operator shall report by telephone within four (4) hours:

- (A) any fatalities, or
- (B) serious injuries,

that resulted from a failure of the amusement device.

In these cases the state building commissioner shall determine if the device shall be sealed out of service until an inspection of the site can be performed. If the device is sealed out of service the state building commissioner shall perform an inspection within twenty-four (24) hours. (Also, any telephone report shall be followed by a written report within five (5) working days.)

(2) The operator shall report by mail within five (5) working days any:

- (A) serious injuries or fatalities that resulted from natural cause or human error of the passenger during operation of the device, or
- (B) first aid injuries that resulted from a failure of the amusement device.

(3) Any report shall state all pertinent facts including:

- (A) date, time and location of incident;
- (B) name, age, and address of victim;
- (C) type of injury;
- (D) hospital where treated, if any;
- (E) a description of the accident;
- (F) name and identification number of amusement device involved; and
- (G) name, address and telephone number of operator filing the report.

(b) Any operator of an amusement device shall within forty-eight (48) hours report to the state building commissioner a major breakdown of a device by telephone. Upon notification, the state building commissioner may seal the device out of service until repaired and reinspected. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-21; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-22 Technical requirements, Part II; scope**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 22. The provisions of Technical Requirements, Part II (675 IAC 23-1-22 through 675 IAC 23-1-61) of this code shall apply to the following.

(a) Installation, alteration, repair, equipment, operation, location, maintenance and removal of every amusement device or any appurtenances connected or attached to such amusement device.

(b) Existing amusement devices which are in safe operating condition and comply with all manufacturer's specifications for the original device shall not be made to comply with manufacturer's specifications for a new amusement device. However, if a manufacturer recommends or requires a critical component, or other component of the amusement device, to be upgraded because of documented proof that the continued use of the device in its present condition may cause harm or otherwise endanger public safety, the manufacturer's recommendation or requirement shall be complied with. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-22; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-23 General provisions**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 23. All amusement devices, including homemade devices and devices for which no manufacturer's specifications exist, shall comply with the provisions of this code and any safety standards, operating manuals and technical specifications prescribed by the manufacturer for a particular device. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-23; filed Sep 19, 1986, 9:15 am; 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-24 Maintenance**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 24. All amusement devices, both existing and new, and all parts thereof, shall be maintained in a safe condition. All devices or safeguards which are required by this code, or the manufacturer, in an amusement ride or device when erected, altered or repaired shall be maintained in good working order. The owner, or his designated agent, shall be responsible for the maintenance of amusement devices. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-24; filed Sep 19, 1986, 9:15 am; 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-25 Amusement device identification**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 25. Every amusement device shall be identified by a trade, descriptive name and an identification number. There shall be permanently attached to every amusement device, in a readily visible location, a metal plate containing the name and identification number of the amusement device, and the name and address of its manufacturer. Upon the same or another metal plate so attached, shall be legibly impressed the maximum safe number of passengers, maximum safe load in pounds and the maximum safe speed. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-25; filed Sep 19, 1986, 9:15 am; 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-26 Non-destructive testing**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 26. (a) The commissioner may require that all devices of the type listed below have all main life supporting spindles, shafts or supplementary spindles checked by a method of non-destructive testing when he finds that such non-destructive testing is necessary to protect the life and safety of persons or when recommended by the manufacturer. Testing shall be conducted by a person, firm or company familiar with or qualified in using a method that is best suited for optimum results in determining cracks or discrepancies in the part being checked. A letter of the results of the examination shall be filed with the commissioner.

- (1) All type wheel rides (i.e., Ferris, Astro, Space, Sky, etc.)—main and seat spindles.
- (2) Loop O Plane.
- (3) Paratrooper.
- (4) Rock O Plane—main and tub.
- (5) Rock N Roll—main and car spindles.
- (6) Round Up.
- (7) Sky Diver.
- (8) Tip Top—main and car spindles.
- (9) Trabant.
- (10) Turbo—two (2) sweep axles.
- (11) Radar (Raven)—two (2) sweep axles.

- (12) Zipper.
- (13) Rampage—main, boom and seat.
- (14) Monster—eccentric spindle.
- (15) Octopus—eccentric spindle.
- (16) Spider—eccentric spindle.
- (17) Similar amusement devices or any other amusement devices which have suspected stress members or have experienced failures.

(b) Any amusement device damaged by a breakdown or in a highway or midway accident shall comply with the non-destructive testing section when the commissioner deems it necessary. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-26; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-27 Major modifications of amusement devices**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 27. (a) After the effective date of this code (November 1, 1986) any major modification to original design initiated by the operator shall, prior to modification, be submitted in writing to the manufacturer or a registered engineer for approval, based on accepted engineering practice. Evidence of approval shall be submitted to the commissioner.

(b) An amusement device that has been subject to a major modification shall have affixed an additional information plate containing the name of the alterer or remanufacturer, a supplementary serial number, and a certification of the date, maximum speed and maximum capacity. All amusement devices that were subject to a major modification prior to the effective date of this code (November 1, 1986) shall have an additional information plate stating that the modification was performed prior to November 1, 1986. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-27; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-28 Repairs**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 28. Repairs will be carried out in accordance with the manufacturer's instructions and replacement parts shall meet or exceed original equipment specifications. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-28; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-29 Welding, cutting and brazing**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 29. No welding, cutting or brazing shall be accomplished where the public can directly observe or be hit by sparks or flying materials generated by the process. All compressed gas, compressed gas cylinders, electrical equipment and other apparatus associated with welding, cutting and brazing shall be stored, handled and meet the requirements of the rules of the fire prevention and building safety commission, and nationally recognized standards. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-29; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-30 Operator responsibilities**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 30. (a) Fact Sheet. Each operator of an amusement device shall read and become familiar with the contents of the manufacturer's recommended operating instructions and specifications, and prepare an operating fact sheet. This fact sheet shall be made available to each attendant of the amusement device.

- (1) The operator's fact sheet (for each amusement device) shall include but not be limited to:
    - (A) specific amusement device operation policies and procedures with pertinent information from the manufacturer's instructions;
    - (B) description of the amusement device operation;
    - (C) duties of the specific assigned position of the device attendant;
    - (D) general safety procedures such as when the amusement device has mounting which would entangle long hair, scarves, etc., or warning passengers to be cautious;
    - (E) any additional recommendations of the operator;
    - (F) specific emergency procedures in the event of an abnormal condition or an interruption of service.
  - (2) The operator shall provide training for each attendant of an amusement device. This training shall include but not be limited to the following, where applicable:
    - (A) instructions on amusement device operating procedures;
    - (B) instructions on specific duties of the assigned position;
    - (C) instructions on general safety procedures;
    - (D) instructions on emergency procedures;
    - (E) demonstration of the physical amusement device operation;
    - (F) supervised observation of the amusement device attendant's physical operation of the amusement device.
- (b) Program for Maintenance, Testing and Inspection. Each operator of an amusement device shall read and become familiar with the contents of the manufacturer's maintenance, instructions and specifications or best information available. Based on the manufacturer's recommendations and general accepted practice, each operator shall implement a program of maintenance, testing, and inspections providing for the duties and responsibilities necessary in the care of each amusement device. This program of maintenance shall include a checklist to be made available to each person performing the regularly scheduled maintenance on each amusement device.
- (1) The operator's checklist (for each amusement device) shall include but not be limited to:
    - (A) description of preventive maintenance assignments to be performed;
    - (B) description of inspections to be performed;
    - (C) special safety instructions, where applicable;
    - (D) any additional recommendations of the operator.
  - (2) The operator of the amusement device shall provide training for each person performing the regularly scheduled maintenance on the amusement device, pertaining to their assigned duties. This training shall include, but not be limited to the following:
    - (A) instruction on inspection and preventative maintenance procedures;
    - (B) instruction on the specific duties of the assigned position;
    - (C) instruction on general safety procedures;
    - (D) demonstration of the physical performance of the assigned regularly scheduled duties and inspections;
    - (E) supervised observation of the maintenance person's physical performance of their assigned regularly scheduled duties and inspection;
    - (F) additional instructions deemed necessary by the operator.
  - (3) Prior to carrying passengers, the operator shall conduct or cause to be conducted [*sic.*] a daily documented and signed pre-opening inspection, based on provided instructions, to insure the proper operation of the amusement device. The inspection program shall include, but not be limited to the following:
    - (A) inspection of all passenger-carrying amusement devices, including restraint devices and latches;
    - (B) visual inspection of entrances, exits, stairways, and ramps;
    - (C) functional test of all communication equipment necessary for the operation of the amusement device;
    - (D) inspection or test of all automatic and manual safety devices;
    - (E) inspection or test of the brakes, including service brakes, emergency brakes, parking brakes, and back stops;
    - (F) visual inspection of all fencing, guarding, and barricades;
    - (G) visual inspection of the amusement device structure;
    - (H) the amusement device shall be operated for a minimum of one complete operating cycle.
- (c) Following an unscheduled cessation of operation caused by malfunction; adjustment; mechanical; electrical or operational

modification; or environmental conditions that may effect the safe use of the device, the attendant shall:

- (1) unload passengers from the amusement device;
- (2) inspect the amusement device;
- (3) operate the amusement device without passengers, to determine that the cause for cessation of operation has been corrected and does not create an operational problem.

This subsection shall not apply to amusement devices covered by ANSI B77.1-1982 (675 IAC 23-1-60). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-30; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-31 Overloading and overspeeding**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 31. An amusement device shall not be overcrowded or loaded in excess of its safe passenger capacity, nor shall it be operated at an unsafe speed or at any speed beyond that recommended by the manufacturer. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-31; filed Sep 19, 1986, 9:15 am: 10 IR 245, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-32 Wind and storm hazards**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 32. An amusement device which is exposed to extreme weather conditions shall not be operated except to release or discharge occupants, until the extreme weather condition abates. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-32; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-33 Public protection; general**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 33. An amusement device shall not be used or operated while any person is so located as to be endangered by it. Areas in which persons may be struck by a device or similarly injured, shall be fenced, barricaded or otherwise guarded against public intrusion. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-33; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-34 Signal systems**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 34. Signal systems for the starting and stopping of amusement devices shall be provided where the attendant of the amusement device does not have a clear view of the point at which passengers are loaded or unloaded. Any code of signals adopted shall be printed and kept posted at both the attendant's and signalman's stations. The signal for the movement or operation of an amusement device shall not be given until all passengers, operators, and other persons who may be endangered are in a position of safety. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-34; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-35 Assembly and disassembly; supervision**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 35. The assembly and disassembly of an amusement device shall be done by or under the immediate supervision of a person experienced in the proper performance of such work in respect to the device. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-35; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-36 Assembly**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 36. Parts shall be properly aligned, and shall not be bent, distorted, cut or otherwise injured to force a fit. Parts requiring lubrication shall be lubricated in the course of assembly. Fastening and locking devices, such as bolts, cap screws, cotter pins and lock washers shall be installed where required for dependable operation. Nuts shall be drawn tight, cotter pins shall be spread and lock nuts firmly set. Welding of parts upon which safe operation depends (critical components), shall be done by welders certified in accordance with the requirements of the American Welding Society. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-36; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-37 Inspection of parts**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 37. Parts which are excessively worn or which have been materially damaged shall not be used. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-37; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-38 Tools and equipment**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 38. Persons engaged in the assembly or disassembly of amusement devices shall use tools of proper size and design to enable the work to be done safely. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-38; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-39 Location**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 39. (a) An amusement device shall be placed on stable blockings and be secured to prevent shifting, tipping, swaying or erratic motion. The provision pertinent to erratic motion or sway does not apply to an amusement device designed to permit flotation characteristics or flexibility. Use of shim blocks shall be kept to a minimum. Adequate means of drainage shall be provided to prevent water from collecting and softening supporting areas. The area surrounding the amusement device shall be clear and kept free from trash and tripping hazards.

(b) A fixed amusement device permanently erected in an amusement park shall be set on properly designed and constructed foundations or footings and secured to these footings in a manner to prevent shifting, tipping, swaying, or erratic motion. The provisions pertinent to erratic motion or sway does not apply to an amusement device designed to permit flotation characteristics or flexibility.

(c) Nothing in this section shall be construed to prohibit the assembly of an amusement device in accordance with the manufacturer's recommendations. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-39; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-40 Leveling and alignment**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 40. (a) Corner posts, central columns or support structures of an amusement device designed to operate on a perpendicular axis shall be plumb and secured so that the path of the sweeps or platforms shall be level and operate on a true horizontal plane at right angles to the axis of the pivot. An amusement device whose carriers are designed to operate on a horizontal axis shall be leveled so that the carriers all orbit in a true perpendicular plane. The base of an amusement device employing a combination of orbiting planes or a ride whose carriers operate normally in a plane other than true horizontal or vertical shall be leveled, plumbed and secured so that they will not tip or shift and will be stable under the most adverse operating conditions.

EXCEPTION: Bases for amusement devices designed to permit flotation characteristics or flexibility, or designed to operate properly whether the base is plumb or not.

(b) Nothing in this section shall be construed to prohibit the assembly of an amusement device in accordance with the manufacturer's specifications. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-40; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-41 Number of exits**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 41. (a) All totally enclosed amusement device structures shall have at least two (2) exits located at or near opposite ends of the structure.

(b) If the capacity of the totally enclosed amusement device structure exceeds six hundred (600) persons, exits shall be provided on three (3) sides. If the capacity exceeds one thousand (1000) persons, the exits shall be located on four (4) sides. Exits shall be uniformly distributed as nearly as possible and the line of travel from any point to an exit shall not exceed one hundred fifty feet (150'). *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-41; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-42 Access and egress; general**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 42. (a) Safe and adequate means of access to and egress from amusement devices shall be provided. All passageways are to be kept free from debris, obstruction, projection and other hazards. All surfaces shall be such as to prevent slipping and tripping, and floors shall be kept free of protruding nails, splinters, holes or loose boards. Where mechanical handling equipment is used, sufficient safe clearance shall be allowed for passageways.

(b) Adequate stairways or ramps and necessary landings and platforms shall be provided where persons enter or leave an amusement device, or structure that is above or below grade or floor level at the entrance to and exit from such. Unless provided by a recognized manufacturer as a part of the amusement device, the design and construction of stairways, ramps and railings shall conform to the Indiana Building Code (675 IAC 13), except for the placement of stairway railings and guards. All stairs with more than three (3) risers shall have standard handrails or railings on both sides regardless of width, and when stairways are eighty-eight inches (88") or more in width, a railing shall be placed approximately in the center.

(c) Stairway landings and ramps shall be designed, constructed and maintained so as to sustain safely a live load of at least ninety (90) pounds per square foot.

(d) At least two (2) exits remote from each other shall be provided from each level floor, tier, room or balcony. No exit shall be less than twenty-eight inches (28") wide. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-42; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-43 Lighting**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 43. Amusement devices, access thereto and exits therefrom, shall be provided with illumination by natural or artificial means sufficient to guard against personal injuries while in operation or occupied. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-43; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-44 Design and construction; general**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 44. Amusement devices subject to the provisions of this code shall be so designed and constructed that the minimum allowable loads will not stress any part beyond allowable limits. Amusement devices shall be anchored, guyed, stayed, or otherwise supported, to provide proper stability and to restrict any adverse change in stability. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-44; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-45 Brakes**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 45. If cars or other components of an amusement device collide upon failure of normal controls, emergency brakes sufficient to prevent such collisions shall be provided. On devices which make use of inclined tracks, automatic anti-rollback devices shall be installed to prevent backward movement of the passenger-carrying units in case of failure of the propelling mechanism. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-45; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-46 Speed limiting devices**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 46. An amusement device capable of exceeding its maximum safe operating speed shall be provided with a speed-limiting device. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-46; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-47 Machinery guards**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 47. Machinery used in or with an amusement device shall be enclosed, barricaded or otherwise effectively guarded against contact. Guards removed for maintenance purposes shall be replaced before normal operation is resumed. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-47; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-48 Driving mechanism guards**

Authority: IC 22-13-2-13  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 48. Amusement devices that are self-powered and that are operated by passengers shall have the driving mechanism guarded and the guards locked in place to prevent passengers from gaining access to the mechanism. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-48; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-49 Mechanical power transmission**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 49. All power transmission devices and associated moving parts shall be shielded, enclosed or barricaded to protect the public. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-49; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-50 Interior finish**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 50. The interior and exterior parts of all passenger-carrying amusement devices with which a passenger may come in contact shall be smooth and rounded, free from sharp, rough or splintered edges and corners, with no protruding studs, bolts, screws or other projections. Interior parts upon which or against which a passenger may be forcibly thrown by the action of the ride shall be adequately padded. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-50; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-51 Safety equipment**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 51. Belts, bars, foot rests and other equipment, as may be necessary for safe entrance and exit and for support while the amusement device is in operation, shall be provided. Such equipment and the fastenings shall be of sufficient strength to retain the passengers. The fastenings shall be of a type which cannot be inadvertently released. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-51; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-52 Enclosed amusement device structures; general**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 52. All partially or totally enclosed amusement device structures shall be designed and constructed to carry safely all loads to which such structures may normally be subjected. Materials used in above structures shall not be stressed beyond limits stated in the Indiana Building Code (675 IAC 13). *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-52; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-53 Air compressors**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 53. Air compressors, air compressor tanks and equipment used in connection therewith, shall be constructed, equipped and maintained in accordance with the rules of the Indiana Boiler and Pressure Vessel Board (680 IAC) and nationally recognized standards. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-53; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov*

1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 23-1-54 Internal combustion power sources**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 54. Internal combustion power sources shall be of adequate type, design and capacity to handle the actual design load. Additional requirements are addressed in the Indiana Fire Prevention Code (675 IAC 22). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-54; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-55 Hydraulic systems; general**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 55. Hydraulic systems shall be checked for leaks, damaged pipes and worn or deteriorated hoses. Only manufacturer approved hydraulic fluid shall be used. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-55; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-56 Relief devices**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 56. Pressure relief valves or devices shall be operated on a periodic basis to insure that they operate properly. This includes compressed air and gas devices. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-56; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-1-57 Electrical safety requirements**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 57. (a) All electrical wiring, equipment and apparatus used for amusement devices or for lighting shall be properly and legally installed, operated and maintained, as required by the Indiana Electrical Code (675 IAC 17).

(b) The following requirements shall apply to all amusement devices:

(1) The outlets of electric power lines carrying more than one hundred twenty (120) volts shall be clearly marked to show their voltage.

(2) Electrical apparatus and wiring located outdoors shall be of such quality and so constructed or protected that exposure to weather will not interfere with its normal operation or endanger life or property.

(3) Elevated power lines crossing access or other roads within the grounds of the carnival, circus, fair or amusement parks or other areas where the amusement devices are located shall be so suspended as to provide minimum vertical clearance of twelve feet (12') from the road surface and minimum horizontal clearance of three feet (3') from each side of the normal passage space of vehicles.

(4) Wiring laid on or under surfaces traversed by vehicular or pedestrian traffic shall be adequately protected against wear and abrasion.

(5) Temporary electric wiring if suspended shall be so supported that its protective insulation will not be damaged.

(6) All electrical installations shall be properly grounded. All electrical cords shall be of the heavy duty type and shall contain an identifying grounding conductor in addition to the current-carrying conductors.

(7) Bare wires and other uninsulated current-carrying parts shall be guarded against accidental contact by means of proper location or by a fence or other barrier.

(8) Conductors shall be provided with over-current protective devices according to load and current-carrying capacity. No

such device shall be installed on neutral or grounding conductors.

(9) Where electrical power is supplied for an amusement device by privately operated generating system, the generator and all equipment shall be properly grounded if the system incorporates a ground.

(10) All receptacles and attachment caps shall be of the grounding type.

(11) Each electrically powered amusement device shall be effectively grounded. The grounding shall be made effective as to all noncurrent-carrying metal parts which may become energized and which are exposed to contact by any person.

(12) Each electrically operated amusement device not designated to be controlled directly by the passenger shall be provided with a disconnect power switch placed within easy reach of the attendant.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-1-57; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-58 Elevators, escalators and moving walks; general**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 58. Elevators, escalators and moving walks shall be designed, constructed and installed in accordance with the Indiana Building Code (675 IAC 13) and the Indiana Elevator Safety Code (675 IAC 21). *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-58; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3903; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-59 Ski equipment**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 59. Devices and equipment generally associated with winter sports activities, such as ski lifts, ski tows, J-bars, ski mobiles, chair lifts and aerial tramways, shall be installed and maintained in accordance with ANSI Standard B77.1-1982 published by the American National Standard Institute. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-59; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-60 Adoption by reference**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 60. (a) That certain document, being titled as the American National Standard for Passenger Tramways – Aerial Tramways and Lifts, Surface Lifts, and Tows – Safety Requirements 1982 edition (ANSI B77.1-1982), published by the American National Standards Institute, 1430 Broadway, New York, New York, 10018, be and the same is hereby adopted by reference, as if fully set out in this rule (675 IAC 23-1), save and except those revisions in this section.

(b) Delete Section 8 in its entirety and substitute the following:

"8. Referenced Standards

When any of the following standards are referenced within this standard (ANSI B77.1-1982) they shall not be considered as adopted by reference but rather shall be treated as (1) adopted rules of the Fire Prevention and Building Safety Commission or (2) nationally accepted practice in accordance with this section.

8.1 Adopted Rules of the Fire Prevention and Building Safety Commission.

8.1.1 Whenever reference is made to American National Standard Flammable and Combustible Liquids Code, ANSI/NFPA 30-1981 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22) is substituted therefor.

8.1.2 Whenever reference is made to American National Standard for the Storage and Handling of Liquefied Petroleum Gases, ANSI/NFPA 58-1979 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22) is substituted therefor.

8.1.3 Whenever reference is made to American National Standard National Electrical Code, ANSI/NFPA 70-

1981 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Electrical Code (675 IAC 17) is substituted therefor.

8.2 Nationally Accepted Practice

8.2.1 Whenever reference is made to any of the following standards within this standard (ANSI B77.1-1982) it shall be considered only as nationally accepted practice.

American National Standard Safety Standard for Mechanical Power Transmission Apparatus, ANSI B15.1-1972

American National Standard National Electric Safety Code, ANSI C2-1987

American National Standard for Wire Rope for Mines, ANSI M11.1-1980

American National Standard for Stationary Combustion Engines and Gas Turbines, ANSI/NFPA 37-1979

American National Standard Lightning Protection Code, ANSI/NFPA 78-1980

American Gear Manufactures *[sic.]* Association

AGMA – Surface Durability (Pitting) of Spur Gear Teeth, AGMA 210.02, 1965

AGMA – Surface Durability (Pitting) Formulas for Straight Bevel and Zerol Bevel Gear Teeth, AGMA 210.02, 1964 (R1974)

AGMA – Information Sheet for Surface Durability (Pitting) of Spur, Helical, Herringbone and Bevel Gear Teeth, AGMA 215.01, 1966 (R1974)

AGMA – Design Practice Rating for Surface Durability of Spiral Bevel Gears for Enclosed Drives, AGMA 216.01A, 1966

AGMA – Rating the Strength of Spur Gear Teeth, AGMA 220.02, 1966

AGMA – Rating the Strength of Helical and Herringbone Gear Teeth, AGMA 221.02, 1965

AGMA – Rating the Strength of Straight Bevel and Zerol Bevel Gear Teeth, AGMA 222.02, 1964

AGMA – Rating the Strength of Spiral Bevel Gears for Enclosed Drives, AGMA 223.01A, 1966

AGMA – Practice of Enclosed Speed Reducers or Increases Using Spur, Helical Herringbone and Spiral Bevel Gears, AGMA 420.04, 1975

AGMA – Practice for Gearmotors Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 460.05, 1971

AGMA – Practice for Spur, Helical and Herringbone Gear Shaft-Mounted Speed Reducers, AGMA 480.06, 1977

American Petroleum Institute API-RP9B."

*(Fire Prevention and Building Safety Commission; 675 IAC 23-1-60; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3903; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-61 Recommended practice**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 61. The following American Society for Testing and Materials (ASTM) standards are deemed recommended practice for information purposes only.

F 698 - 83 Specification for Physical Information to be Provided for Amusement Rides and Devices.

F 747 - 82 Definitions of Terms Relating to Amusement Rides and Devices.

F 770 - 82 Practice for Operation Procedures for Amusement Rides and Devices.

F 846 - 83 Guide for Testing Performance of Amusement Rides and Devices.

F 853 - 83 Practice for Maintenance Procedures for Amusement Rides and Devices.

F 893 - 84 Guide for Inspection of Amusement Rides and Devices.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-1-61; filed Sep 19, 1986, 9:15 am: 10 IR 251, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-62 Fee schedule, Part III; scope**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

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Sec. 62. The provisions of Fee Schedule, Part III (675 IAC 23-1-62 through 675 IAC 23-1-64) of this code shall apply to the fees charged for inspection of amusement devices. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-62; filed Sep 19, 1986, 9:15 am: 10 IR 251, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-1-63 Annual inspection fees**

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 63. (a) The fee for an annual inspection of permanent and portable amusement devices except for those covered in subsection (b) shall be based on the size and complexity of the device as follows:

FEE	TYPE OF DEVICE	DESCRIPTION
\$144	Kiddie	An amusement device designed for seventy-five pounds (75#) or less per passenger unit intended for use by children age twelve (12) and under.
\$144	Major	An amusement device designed for seventy-five pounds (75#) or more intended for use by children above age twelve (12) and not listed as a spectacular amusement device.
\$144	Spectacular	Includes the following list of amusement devices and any similar amusement device: <div style="margin-left: 40px;">                     Himalayas-Flying Bobs                      Sky Wheels                      Sky Divers                      Falling Stars                      High Rise, Roller Coaster                      Enterprise                      Log Flume                      Hang 10                 </div>

(b) The fee for an annual inspection of passenger tramways, aerial tramways and lifts, surface lifts and tows shall be based on mode of transportation of passengers uphill, on the surface or above the surface.

MODE OF TRANSPORTATION	FEE—PER DRIVING MECHANISM
On Surface	\$144
Above Surface	\$288

(c) Reinspection fees shall be one-half (½) of the annual inspection fee.

(d) Subsequent inspection fee shall be one hundred dollars (\$100) per device. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-63; filed Sep 19, 1986, 9:15 a.m.: 10 IR 251, eff Nov 1, 1986; filed Sep 13, 1988, 2:32 p.m.: 12 IR 318; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2735)*

**675 IAC 23-1-64 Administrative, Part I**

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 64. Additional information regarding payment of fees and definitions for types of inspection may be found in Administration; Part I of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-64; filed Sep 19, 1986, 9:15 am: 10 IR 252, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**Rule 2. Regulated Amusement Device Training and Certification Rules**

**675 IAC 23-2-1 Title; purpose; availability**

Authority: IC 22-13-2-8; IC 22-13-2-9; IC 22-15-2-6

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 22-15-7; IC 36-7-2-9

Sec. 1. (a) This rule shall be known as the regulated amusement device training and certification rule and shall be published by the fire and building services department for general use and distribution under that title.

(b) The purpose of this rule is to define appropriate training for a person who inspects regulated amusement devices, to adopt by reference specified ASTM standards for this purpose, to require that inspectors be Level 1 certified by the National Association of Amusement Ride Safety Officials and conduct inspections that conform to the rules of the commission, and to require that regulated amusement devices be operated and maintained in accordance with the rules of the commission.

(c) This rule is available for purchase from the Fire and Building Services Department, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-1; filed May 10, 1999, 12:47 p.m.: 22 IR 2868; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-2 Standard specification for physical information to be provided for amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 2. (a) That certain document being titled Standard Specification for Physical Information to be Provided for Amusement Rides and Devices, 1994 edition approved July 15, 1994, published September 1994 (ASTM F 698-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-2. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-2; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-3 Standard terminology relating to amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 3. That certain document being titled Standard Terminology Relating to Amusement Rides and Devices, 1995 edition approved April 15, 1995, published June 1995 (ASTM F 747-95), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-3. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-3; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-4 Standard practice for operation procedures for amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7-8

Sec. 4. (a) That certain document being titled Standard Practice for Operation Procedures for Amusement Rides and Devices, 1993 edition approved December 15, 1993, published February 1994 (ASTM F 770-93), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-4. (*Fire Prevention and Building Safety Commission;*

675 IAC 23-2-4; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 23-2-5 Standard guide for testing performance of amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 5. (a) That certain document being titled Standard Guide for Testing Performance of Amusement Rides and Devices, 1992 edition approved May 15, 1992, published July 1992 (ASTM F 846-92), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-5. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-5; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-6 Standard practice for maintenance procedures for amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 6. (a) That certain document being titled Standard Practice for Maintenance Procedures for Amusement Rides and Devices, 1993 edition approved January 15, 1993, published March 1993 (ASTM F 853-93), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-6. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-6; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-7 Standard guide for inspection of amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 7. (a) That certain document being titled Standard Guide for Inspection of Amusement Rides and Devices, 1987 edition approved May 29, 1987, published July 1987 (ASTM F 893-87), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-7. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-7; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-8 Standard practice for the design and manufacture of amusement rides and devices**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 8. (a) That certain document being titled Standard Practice for the Design and Manufacture of Amusement Rides and Devices, 1994 edition approved April 15, 1994, published June 1994 (ASTM F 1159-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-8. (*Fire Prevention and Building Safety Commission;*

675 IAC 23-2-8; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

**675 IAC 23-2-9 Standard practice for an amusement ride and device manufacturer quality assurance program**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 9. (a) That certain document being titled Standard Practice for an Amusement Ride and Device Manufacturer Quality Assurance Program, 1995 edition approved January 15, 1995, published March 1995 (ASTM F 1193-95), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-9. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-9; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-10 Standard guide for the classification of amusement ride and device related injuries and illnesses**

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 10. (a) That certain document being titled Standard Guide for the Classification of Amusement Ride and Device Related Injuries and Illnesses, 1994 edition approved April 15, 1994, published June 1994 (ASTM F 1305-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-10. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-10; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 23-2-11 Standard for passenger tramways-aerial tramways and lifts, surface lifts, and tows**

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2

Sec. 11. (a) That certain document being titled the American National Standard for Passenger Tramways-Aerial Tramways and Lifts, Surface Lifts, and Tows-Safety Requirements, 1992 edition (ANSI B77.1, 1992), published by the American National Standards Institute, 1430 Broadway, New York, New York 10018, be and the same is hereby adopted by reference, as if fully set out in this article, save and except those revisions made in this section.

(b) Delete subsection 1.3 in its entirety.

(c) In subsection 1.4.5, "Authority having jurisdiction" means the state building commissioner.

(d) Delete section 8 in its entirety and substitute the following:

8. Referenced Standards. When any of the following standards are referenced within this standard (ANSI B 77.1, 1992), they shall not be considered as adopted by reference but rather shall be treated as nationally accepted practice in accordance with this section for guidance only and are not enforceable.

8.1 Adopted Rules of the Fire Prevention and Building Safety Commission.

8.1.1 Whenever reference is made to American National Standard Flammable and Combustible Liquids Code, NFPA 30 within this standard (ANSI B77.1, 1992), such reference is deleted and the Indiana Fire Code (675 IAC 22), a rule of the Indiana fire prevention and building safety commission, is substituted.

8.1.2 Whenever reference is made to American National Standard for Storage and Handling of Liquefied Petroleum Gases, NFPA 58 within this standard (ANSI B77.1, 1992), such reference is deleted and the Indiana Fire Code (675 IAC 22), a rule of the Indiana fire prevention and building safety commission, is substituted therefor.

8.1.3 Whenever reference is made to American National Standard National Electrical Code, NFPA 70 within this standard (ANSI

B77.1, 1992), such reference is deleted and the Indiana Electrical Code (675 IAC 17), a rule of the Indiana fire prevention and building safety commission, is substituted therefor.

8.2 Nationally Accepted Practice.

8.2.1 Whenever reference is made to any of the following standards within this standard (ANSI B77.1, 1992), it shall be considered only as nationally accepted practice:

- American National Standard Safety Standard for Mechanical Power Transmission Apparatus, ANSI B15.1
- American National Standard National Electric Safety Code, ANSI C2
- American National Standard for Wire Rope Mines, ANSI M11.1
- American National Standard for Stationary Combustion Engines and Gas Turbines, ANSI/NFPA 37
- American National Standard Lighting Protection Code, ANSI/NFPA 78
- American Gear Manufacturer's Association
- AGMA-Surface Durability (Pitting) of Spur Gear Teeth, AGMA 210.02
- AGMA-Surface Durability (Pitting) Formulas for Straight Bevel and Zerol Bevel Gear Teeth, AGMA 210.02
- AGMA-Information Sheet for Surface Durability (Pitting) of Spur, Helical, Herringbone and Bevel Gear Teeth, AGMA 215.01
- AGMA-Design Practice Rating for Surface Durability of Spiral Bevel Gears for Enclosed Drives, AGMA 216.01A
- AGMA-Rating the Strength of Spur Gear Teeth, AGMA 220.02
- AGMA-Rating the Strength of Helical and Herringbone Gear Teeth, AGMA 221.02
- AGMA-Rating the Strength of Straight Bevel and Zerol Bevel Gear Teeth, AGMA 222.02
- AGMA-Rating the Strength of Spiral Bevel Gears for Enclosed Drives, AGMA 223.01A
- AGMA-Practice of Enclosed Speed Reducers or Increases Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 420.04
- AGMA-Practice for Gearmotors Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 460.05
- AGMA-Practice for Spur, Helical and Herringbone Gear Shaft-Mounted Speed Reducers, AGMA 480.06
- American Petroleum Institute, API-RP9B

*(Fire Prevention and Building Safety Commission; 675 IAC 23-2-11; filed May 11, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

#### **675 IAC 23-2-12 Training requirements**

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

Sec. 12. The training requirements for a person who inspects regulated amusement devices for compliance with this rule must include the following: at least three (3) hours of classroom instruction regarding the ASTM standards adopted in sections 2 through 10 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 23-2-12; filed May 11, 1999, 12:47 p.m.: 22 IR 2871; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

#### **675 IAC 23-2-13 Operation and maintenance**

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

Sec. 13. The operation and maintenance of regulated amusement devices shall be in accordance with the following:

- (1) This rule.
- (2) All applicable rules of the commission.
- (3) 685 IAC 1, the rule of the regulated amusement device safety board.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-2-13; filed May 11, 1999, 12:47 p.m.: 22 IR 2871; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 23-2-14 Inspectors**

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

Sec. 14. (a) Inspectors employed or contracted by the office of the state building commissioner shall be trained as required by this rule and have and maintain at least a Level 1 certification from the National Association of Amusement Ride Safety Officials.

(b) Inspectors employed or contracted by the office shall conduct or perform inspections that conform to the following:

(1) This rule.

(2) All applicable rules of the commission.

(3) 685 IAC 1, the rule of the regulated amusement device safety board.

*(Fire Prevention and Building Safety Commission; 675 IAC 23-2-14; filed May 10, 1999, 12:47 p.m.: 22 IR 2872; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**ARTICLE 24. SUPPLEMENTARY FIRE SAFETY RULES**

**Rule 1. Migrant Day Care Nursery Fire Safety Code**

**675 IAC 24-1-1 Title, purpose, availability**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 1. (a) Title. This rule (675 IAC 24-1) shall be known as the Migrant Day Care Nursery Fire Safety Code, and shall be published by the fire and building services department for general use and distribution under that title. Whenever the term "this code" is used throughout this rule (675 IAC 24-1) it shall mean the Migrant Day Care Nursery Fire Safety Code.

(b) Purpose. The purpose of this code is to establish minimum fire safety requirements for migrant day care nurseries. This code, combined with the rules of the department of public welfare (470 IAC), and the rules of the state board of health (410 IAC) forms the complete package of regulations for migrant day care nurseries.

(c) Availability. This rule (675 IAC 24-1) is available for purchase from the Fire and Building Services Department, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204 [*Current address is the Department of Fire and Building Services, Indiana Government Center-South, 302 West Washington Street, Indianapolis, Indiana 46204.*]. *(Fire Prevention and Building Safety Commission; 675 IAC 24-1-1; filed Oct 20, 1987, 12:45 pm: 11 IR 937; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 24-1-2 Scope, enforcement**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 2. (a) Scope. This code applies to migrant day care nurseries and is adopted under IC 12-3-2-3.5 [*IC 12-3 was repealed by P.L.2-1992, SECTION 897, effective February 14, 1992.*], taking into consideration that exempted centers operate in donated space, provide care for less than one hundred twenty (120) days during the calendar year and provide care only to children from migrant families.

(b) Enforcement. This code shall be enforced by the state fire marshal through his deputies. *(Fire Prevention and Building Safety Commission; 675 IAC 24-1-2; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 24-1-3 Definitions**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 3. For the purpose of this code (675 IAC 24-1), the following terms shall have the meaning indicated.

"Building systems" means the group of interacting, interrelated or interdependent elements forming the collective building.

"Commission" means the Indiana fire prevention and building safety commission.

"Egress" means a way out or exit.

"Exempted center" means a day nursery that:

- (1) is operated under the federally funded Head Start Program (42 U.S.C. 9831 et seq.) and the Texas Migrant Council;
- (2) provides services for children from migrant worker families;
- (3) is operated during a single period of less than one hundred twenty (120) consecutive days during a calendar year.

"Exit" means a continuous and unobstructed means of egress to a public way and shall include intervening aisles, doors, doorways, corridors, exterior exit balconies, ramps, stairways, smokeproof enclosures, horizontal exits, exit passageways, exit courts and yards.

"Grade" (adjacent ground elevation) means the lowest point of elevation of the finished surface of the ground, paving or sidewalk between the building and a line five (5) feet from the building. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-3; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 24-1-4 Inspections**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 4. The state fire marshal shall cause exempted centers to be inspected a minimum of once each year. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-4; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 24-1-5 Additional regulations**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 5. All exempted centers shall comply with the requirements of this code, as well as the Indiana fire prevention code (675 IAC 22-2), the Indiana flammable and combustible liquids and gases code (675 IAC 22-1), the Indiana building code (675 IAC 13-2 [675 IAC 13-2 was repealed filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989.]), and any other applicable rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-5; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 24-1-6 Location of exempted center**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 6. The exempted center shall be located, within the building, on the floor or portion of the building closest to grade level. EXCEPTIONS: The exempted center may be located one (1) floor above or below the level closest to grade level:

- (1) if the building is equipped throughout with an automatic fire suppression system; or
- (2) if the building is equipped throughout with a smoke detection system located in the corridors and interconnected to a manual fire alarm system; or
- (3) if the staff ratio (of staff members to children in particular age groups) is double the ratio required by the department of public welfare.

(*Fire Prevention and Building Safety Commission; 675 IAC 24-1-6; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 24-1-7 Egress requirements**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 7. (a) A minimum of two (2) exits, other than elevators, are required when the number of occupants in any exempted center or portion thereof, used by children ages 0-2, is at least seven (7), and for children ages 3-6 is at least sixteen (16). Exits shall

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be located a distance apart, equal to but not less than one-half (1/2) of the length of the maximum overall diagonal dimension of the area to be served, measured in a straight line between exits. This distance may be decreased to one-third (1/3) if the building is equipped throughout with a supervised sprinkler system. See Table 8-A [sic., Table 7-A].

(b) Exit doors shall meet the following requirements:

- (1) Exit doors shall swing in the direction of exit travel when serving an occupancy of fifty (50) or more.
- (2) Exit doors shall be openable from the inside without the use of a key or any special knowledge or effort.
- (3) There shall be a floor or landing on each side of the exit door of a sufficient width to allow uninterrupted egress.
- (4) Exit doors shall be so marked that they are readily distinguishable from the adjacent construction.

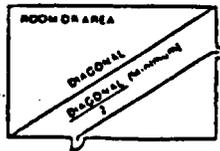
(c) Exit signs shall meet the following requirements:

- (1) Exit signs shall be installed over exits and where otherwise necessary to clearly indicate the direction of egress.
- (2) The color and design of lettering, arrows and other symbols on exit signs shall be in high contrast with their background. Words on the sign shall be in block letters six inches (6") in height with a stroke of not less than three-fourths inch (3/4").

(d) The means of egress from the exempted center shall be provided with a light having an intensity of a one (1) foot candle at floor level, at all times, during hours of operation.

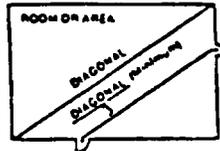
**TABLE 7-A**  
**ARRANGEMENT OF EXITS**

**Non-sprinklered**



Minimum distance — One-half of diagonal

**Sprinklered**



Minimum distance — One-third of diagonal

*(Fire Prevention and Building Safety Commission; 675 IAC 24-1-7; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 24-1-8 Cooking equipment**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 8. All cooking equipment employing flammable liquids of an appreciable depth (greater than one-fourth inch (1/4") (0.64 cm.)) shall be protected with a hood and an automatic extinguishing system in accordance with NFPA standard 96 as adopted by the commission (675 IAC 13-1-17 [675 IAC 13-1-17 was repealed filed Aug 26, 1992, 5:00 p.m.: 16 IR 62, eff Nov 1, 1992.]). Portable fire extinguishers shall be provided in accordance with NFPA standard 10 as adopted by the commission (675 IAC 22-2-13 [675 IAC 22-2-13 was repealed filed Nov 15, 1990, 2:00 p.m.: 14 IR 739.]). *(Fire Prevention and Building Safety Commission; 675 IAC 24-1-8; filed Oct 20, 1987, 12:45 pm: 11 IR 939; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 24-1-9 Flammable and combustible liquids**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 9. (a) Storage and use of flammable or combustible liquids shall be limited to that required for maintenance and cooking.

(b) Not more than ten (10) gallons of flammable or Class II combustible liquids shall be stored in the exempted center unless in a secured, approved storage cabinet or inside a secured, approved storage area. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-9; filed Oct 20, 1987, 12:45 pm: 11 IR 939; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 24-1-10 Fire extinguishers**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 10. (a) The child caring area of the exempted center shall be protected with a minimum of two (2) 2-A rated portable fire extinguishers.

(b) The cooking area of the exempted center shall be protected with a minimum of one (1) 5-B:C rated portable fire extinguisher. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-10; filed Oct 20, 1987, 12:45 pm: 11 IR 939; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 24-1-11 General fire safety**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 11. (a) The building, building systems and appliances used therein shall be maintained in a manner which does not constitute a distinct hazard to life or property.

(b) Combustible and flammable waste materials shall not be allowed to accumulate in or around the center.

(c) Storage, handling and disposal of combustible or flammable material shall be handled in accordance with the Indiana fire prevention code (675 IAC 22-2).

(d) Appliances which are designed to produce heat (stoves, furnaces, etc.) and their associated apparatus shall be subjected to regular cleaning and maintenance so as not to create a fire hazard. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-11; filed Oct 20, 1987, 12:45 pm: 11 IR 940; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

**675 IAC 24-1-12 Fire drills**

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 12. (a) Fire drills shall be held in the exempted center, at least once during each month of operation.

(b) The first fire drill shall be held within the first five (5) days of operation of the center and, when possible, in conjunction with the local fire chief.

(c) The evacuation shall be triggered by the sounding of a fire alarm or, when there is no fire alarm in the building, by another audible alarm (such as the ringing of a hand held bell).

(d) Fire drills shall include complete evacuation of all persons in the exempted center and the assembling of said persons at a designated area outside of the building.

(e) All staff members shall be familiar with the fire drill procedure and the method by which the fire department will be contacted in case of fire.

(f) A record of all fire drills shall be kept on the premises and the person in charge of the exempted center shall keep written reports containing the following information:

- (1) Time of drill.
- (2) Date of drill.
- (3) Weather conditions when occupants are evacuated.

- (4) Number of occupants evacuated.
- (5) Total time for evacuation.
- (6) Any other information relevant to the drill.

*(Fire Prevention and Building Safety Commission; 675 IAC 24-1-12; filed Oct 20, 1987, 12:45 pm: 11 IR 940; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**675 IAC 24-1-13 Notification of fire department**

Authority: IC 12-17.2-2-9  
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 13. Prior to the first day of operation, the person in charge of the exempted center shall, in writing, notify the local fire chief of all the following:

- (1) Address of the exempted center.
- (2) Area of building being used by the center.
- (3) Dates of operation including days of week.
- (4) Time of operation.
- (5) Method by which the fire department will be contacted in case of fire.
- (6) Number of children.
- (7) Date and time of first fire drill.

*(Fire Prevention and Building Safety Commission; 675 IAC 24-1-13; filed Oct 20, 1987, 12:45 pm: 11 IR 940; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

**ARTICLE 25. FUEL GAS CODE**

**Rule 1. Indiana Fuel Gas Code, 2003 Edition**

**675 IAC 25-1-1 Adoption by reference; title; availability; scope; purpose**

Authority: IC 22-13-2-2  
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. (a) That certain document being titled the 2000 International Fuel Gas Code, fifth printing, published by the International Code Council, 5203 Leesburg Pike, Suite 708, Falls Church, Virginia 22041-3401, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule.

(b) This rule is available for review and reference at the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-1; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3032)*

**675 IAC 25-1-2 Chapter 1; administration**

Authority: IC 22-13-2-2  
Affected: IC 4-21.5; IC 4-22-7-7; IC 22-12-7; IC 22-13-2-7; IC 22-13-5; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. Delete Chapter 1 and substitute to read as follows:

Section 101 Application

101.1 Title

This rule shall be known as the Indiana Fuel Gas Code, 2003 edition and shall be published, except incorporated documents, by the fire and building services department, for general distribution and use under that title. Wherever the term "this code" is used throughout this rule, it shall mean the Indiana Fuel Gas Code, 2003 edition.

101.2 Scope

This code shall apply to the installation of fuel gas piping systems, fuel gas utilization equipment, and related accessories as follows:

1. Coverage of piping systems shall extend from the point of delivery to the connections with gas utilization equipment. (See “point of delivery.”)
2. Systems with an operating pressure of one hundred twenty-five (125) psig (eight hundred sixty-two (862) kPa gauge) or less.

Piping systems for gas-air mixtures within the flammable range with an operating pressure of ten (10) psig (sixty-nine (69) kPa gauge).

LP-Gas piping systems with an operating pressure of twenty (20) psig (one hundred forty (140) kPa gauge) or less.

3. Piping systems requirements shall include design, materials, components, fabrication, assembly, installation, testing, inspection, operation, and maintenance.
4. Requirements for gas utilization equipment and related accessories shall include installation, combustion, and ventilation air and venting.

This code shall not apply to the following:

1. Portable LP-Gas equipment of all types that are not connected to a fixed fuel piping system.
2. Installation of farm equipment such as brooders, dehydrators, dryers, and irrigation equipment.
3. Raw material (feedstock) applications except for piping to special atmosphere generators.
4. Oxygen-fuel gas cutting and welding systems.
5. Industrial gas applications using gases, such as acetylene and acetylenic compounds, hydrogen, ammonia, carbon monoxide, oxygen, and nitrogen.
6. Petroleum refineries, pipeline compressor or pumping stations, loading terminals, compounding plants, refinery tank farms, and natural gas processing plants.
7. Integrated chemical plants or portions of such plants where flammable or combustible liquids or gases are produced by chemical reactions or used in chemical reactions.
8. LP-Gas installations.
9. Liquefied natural gas (LNG) installations.
10. Fuel gas piping in power and atomic energy plants.
11. Proprietary items of equipment, apparatus, or instruments such as gas generating sets, compressors, and calorimeters.
12. LP-Gas equipment for vaporization, gas mixing, and gas manufacturing.
13. Temporary LP-Gas piping for buildings under construction or renovation that is not to become part of the permanent piping system.
14. Installation of LP-Gas systems for railroad switch heating.
15. Installation of LP-Gas and compressed natural gas (CCNG) systems on vehicles.
16. Except as provided in Section 401.1.1, gas piping, meters, gas pressure regulators, and other appurtenances used by the serving gas supplier in the distribution of gas, other than undiluted LP-Gas.
17. Building design and construction, except as specified herein.

#### 101.3 Appendices and Standards

Provisions in the appendices are not enforceable unless specifically adopted.

The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

**EXCEPTION:** Where enforcement of a code provision would violate the conditions of the listing, labeling, or manufacturer's installation instructions of the equipment or appliance, the conditions of the listing, labeling, or manufacturer's instructions shall apply.

#### 101.4 Appeals and Interpretations

Appeals from orders issued by the Fire Prevention and Building Safety Commission, the Office of the State Building Commissioner, or the Office of the State Fire Marshal are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders by a local unit of government are governed by IC 22-13-2-7 and local ordinance. Upon the written request of an interested person who has a dispute with a county or municipal government concerning a building rule, the Office of the State Building Commissioner may issue a written interpretation of a building law. The written interpretation as issued under IC 22-13-5 binds the interested person and the county or municipality with whom the interested person has the dispute until overruled in a proceeding under IC 4-21.5. A written interpretation of a building law binds all counties and municipalities if the office of the state building commissioner publishes

the written interpretation of the building law in the Indiana Register under IC 4-22-7-7(b).

101.5 Plans

Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12) and the Industrialized Building Systems (675 IAC 15).

101.6 Existing Construction

For existing Class 1 structures, see the General Administrative Rules (675 IAC 12) and local ordinance.

101.7 Additions and Alterations

Additions and alterations to any Class 1 structure shall conform to that required of a new structure without requiring the existing structure to comply with all the requirements of this code. Additions or alterations shall not cause an existing structure to become unsafe (See the General Administrative Rules (675 IAC 12-4)).

101.8 Alternate Materials, Methods, and Equipment

Alternate materials, methods, equipment, and design shall be as required by the General Administrative Rules (675 IAC 12-6-11) and the rules for Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-2; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3033*)

**675 IAC 25-1-3 Chapter 2; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14-2-10; IC 22-15-2-7; IC 25-4; IC 25-31; IC 36-7-2-9; IC 36-8-17-9

Sec. 3. (a) Change the following definitions to read as follows:

APPROVED as to materials, equipment, design, and types of construction, acceptance by the code official by one (1) of the following methods:

- (1) investigation or tests conducted by recognized authorities; or
- (2) investigation or tests conducted by technical or scientific organizations; or
- (3) accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

CODE OFFICIAL. The office of the state building commissioner as authorized under IC 22-15-2-7; the office of the state fire marshal as authorized under IC 22-14-2-10; the local building official as authorized under IC 36-7-2-9 and local ordinance; the fire department as authorized under IC 36-8-17-9.

CONSTRUCTION DOCUMENTS. Documents required to obtain a design release in accordance with the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15).

LABELED. Equipment, devices, appliances, or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection or production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment, appliances, devices, or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(b) Add the following definitions to read as follows:

ICC ELECTRICAL CODE. Refers to the Indiana Electrical Code (675 IAC 17).

INTERNATIONAL CODES. Refers to the rules of the Fire Prevention and Building Safety Commission (675 IAC).

INTERNATIONAL BUILDING CODE refers to the INDIANA BUILDING CODE (675 IAC 13).

INTERNATIONAL FIRE CODE refers to the INDIANA FIRE CODE (675 IAC 22).

INTERNATIONAL MECHANICAL CODE refers to the INDIANA MECHANICAL CODE (675 IAC 18).

INTERNATIONAL FUEL GAS CODE refers to the INDIANA FULES [*sic.*] GAS CODE (675 IAC 25).

INTERNATIONAL ENERGY CONSERVATION CODE refers to the INDIANA ENERGY CONSERVATION CODE (675 IAC 19).

INTERNATIONAL PLUMBING CODE refers to the INDIANA PLUMBING CODE (675 16 [*sic.*, 675 IAC 16]).

INTERNATIONAL RESIDENTIAL CODE refers to the INDIANA RESIDENTIAL CODE (675 IAC 14).

NFPA 51 refers to 675 IAC 22-2.2-10.

NFPA 58 refers to 675 IAC 22-2.2-14.

REGISTERED DESIGN PROFESSIONAL. An architect who is registered under IC 25-4 or professional engineer who is registered under IC 25-31. If a registered design professional is not required by 675 IAC 12-6 or 675 IAC 15, then it means the owner.

*(Fire Prevention and Building Safety Commission; 675 IAC 25-1-3; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3034)*

**675 IAC 25-1-4 Section 301.3; listed and labeled**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. Change Section 301.3 Listed and labeled to read as follows: Appliances regulated by this code shall be listed and labeled unless otherwise approved. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-4; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035)*

**675 IAC 25-1-5 Sections 301.4, 301.4.1, 301.4.2, 301.4.2.1, 301.4.2.2, and 301.4.2.3; labeling, testing, inspection and identification, equipment, and personnel**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 5. Delete Sections 301.4 through 301.4.2.3 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-5; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035)*

**675 IAC 25-1-6 Section 305.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 6. Change Section 305.1 by deleting from the last line “and the requirements determined by the code official” and inserting “or other approved methods”. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-6; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035)*

**675 IAC 25-1-7 Section 305.3; public garages**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 7. Amend Section 305.3, in the exception, by deleting “and NFPA 88B”. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-7; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035)*

**675 IAC 25-1-8 Section 412; liquefied petroleum gas motor vehicle fuel-dispensing station**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 8. In Section 412 Liquefied petroleum gas motor vehicle fuel-dispensing station, delete the entire text and insert “See the Indiana Fire Code (675 IAC 22)”. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-8; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035)*

**675 IAC 25-1-9 Section 413; compressed natural gas motor vehicle fuel-dispensing stations**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 9. In Section 413 Compressed natural gas motor vehicle fuel-dispensing stations, delete the entire text and insert “See

the Indiana Fire Code (675 IAC 22)". (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-9; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035*)

**675 IAC 25-1-10 Chapter 7 Reference Standards**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 10. In Chapter 7 Reference Standards, amend the last sentence of the first paragraph to read as follows: "The application of the reference standards shall be as specified in Section 101.3". (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-10; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035*)

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